Region 4 Education Service Center

Contract #R171703

for

Commercial Floor Coverings

with

Tandus Centiva US LLC

Effective: July 1, 2018

The following documents comprise the executed contract between the Region 4 Education Service Center Tandus Centiva US LLC, effective July 1, 2018:

I. Signed Offer and Acceptance
II. Tandus Centiva US LLC. Response to the RFP

VENDOR CONTRACT SIGNATURE FORM

The undersigned hereby proposes and agrees to furnish goods and/or services in strict compliance with the terms, specifications and conditions at the prices proposed within response unless noted in writing. The undersigned further certifies that he/she is an officer of the company and has authority to negotiate and bind the company named below and has not prepared this proposal in collusion with any other Offeror and that the contents of this proposal as to prices, terms or conditions of said proposal have not been communicated by the undersigned nor by any employee or agent to any person engaged in this type of business prior to the official opening of this proposal.

Prices are guaranteed: **120 days**

Company name: Tandus Centiva US LLC

Address: 311 Smith Industrial Blvd

City/State/Zip: Dalton GA 30721

Telephone No.: 706-281-2730

Fax No.: 706-259-2657

Email address: jamie.collins@tarkett.com

Printed name: Leonard F. Ferro

Position with company: President

Authorized signature: LFF

Accepted by The Cooperative Purchasing Network:

Term of contract July 1, 2018 **to** June 30, 2021

Unless otherwise stated, all contracts are for a period of one (1) year with an option to renew annually for an additional four (4) years if agreed to by Region 4 ESC and the awarded vendor. Awarded vendor shall honor all administrative fees for any sales made based on a contract whether renewed or not.

Region 4 ESC Authorized Board Member — Date: 2/27/2018

Print Name: Floyd Reyes

Region 4 ESC Authorized Board Member — Date: 2/27/2018

Print Name: Margaret Bass

TCPN Contract Number R171703

Appendix D:

GENERAL TERMS & CONDITIONS ACCEPTANCE FORM

Signature on Vendor Contract Signature form certifies complete acceptance of the General Terms and Conditions in this solicitation, except as noted below (additional pages may be attached, if necessary).

Check one of the following responses to the General Terms and Conditions:

☐ We take no exceptions/deviations to the general terms and conditions

(*Note: If none are listed below, it is understood that no exceptions/deviations are taken.)*

☒ We take the following exceptions/deviations to the general terms and conditions. All exceptions/deviations must be clearly explained. Reference the corresponding general terms and conditions that you are taking exceptions/deviations to. Clearly state if you are adding additions terms and conditions to the general terms and conditions. Provide details on your exceptions/deviations below:

(*Note: Unacceptable exceptions shall remove your proposal from consideration for award. Region 4 ESC shall be the sole judge on the acceptance of exceptions/deviations and the decision shall be final.*)

Section/Page	Term, Condition, or Specification	Exception/Deviation	Region 4 Accepts
19 of 79	5.5 Standard Cancellation	Region 4 ESC or Vendor may cancel this contract in whole or in part by providing written notice. The cancellation will take effect 30 business days after the other party receives the notice of cancellation. After the 30th business day all work will cease following completion of final purchase order. Vendor may be requested to provide additional items not already on contract at any time.	

20 of 79	7.1 Delivery	Vendor shall deliver said materials purchased on this contract to the Member issuing a valid Purchase Order. Standard running line product shall be shipped within 4-6 weeks ~~7 days~~ of receipt of valid Purchase Order. Conforming products that fall under Vendor's Express Ship Program will be shipped within 7-10 business days of receipt of a valid Purchase Order. If delivery is not or cannot be made within this time period the vendor must receive authorization from the purchasing agency for the delayed delivery. At this point the participating entity may cancel the order if estimated shipping time is not acceptable.	
21 of 79	9.1 Best price guarantee	The awarded vendor agrees to provide pricing to Region 4 ESC and its participating entities that are the lowest pricing available, for the same Product or Service to any other non-governmental purchaser in similar transactions for similar quantities with comparable terms, and the pricing shall remain so throughout the duration of the contract. Pricing offered to Federal government buying consortiums for goods and services is exempt from this requirement. The awarded vendor, however, agrees to lower the cost of any product purchased through TCPN following a reduction in the manufacturer or publisher's direct cost.	
21 of 79	9.3 Additional Charges	All deliveries shall be F.O.B. Origin, freight prepaid and transportation charges added to the invoice as a separate line item. Title and Risk of loss shall pass to the Member upon transfer to the freight carrier. Vendor shall promptly replace damaged or lost material occurring during transit, and ship the replacement order as expeditiously as possible at no cost to the Member. Vendor shall file any claims with the carrier on behalf of the Member for any prepaid shipments.	

21 of 79	9.6 Administrative Fees	All pricing submitted to Region 4 ESC shall include the administrative fee to be remitted to TCPN by the awarded vendor. The awarded vendor agrees to pay administrative fees ~~monthly~~ quarterly to TCPN in the amount of 3% of the total purchase amount paid to awarded vendor, less refunds, credits on returns, rebates and discounts, for the sale of products and/or services to Region 4 ESC and member agencies pursuant to the contract (as amended from time to time and including any renewal thereof) ("Contract Sales"). Administrative fee payments are to accompany the contract ~~monthly~~ quarterly sales report by the 10th day ~~of the following month~~ following the end of the business quarter, in the amount indicated on the report as being due. Administrative fee payments are to be paid by the awarded vendor via Automated Clearing House to a TCPN designated financial institution. Failure to provide a ~~monthly~~ quarterly payment of the administrative fees within the time and manner specified herein shall constitute a material breach of the contract and if not cured within thirty (30) day of written notice to awarded vendor shall be deemed a cause for termination of the contract, at Region 4 ESC's sole discretion. All administrative fees not paid when due shall bear interest at a rate equal to the lesser of 1 ½% per month or the maximum rate permitted by law until paid in full.	
24 of 79	13.3 Indemnity	The awarded vendor shall protect, indemnify, and hold harmless both Region 4 ESC and TCPN and its participants, administrators, employees and agents against all claims, damages, losses and expenses ~~arising out of or resulting from~~ to the extent caused by the negligent or willful misconduct ~~actions~~ of the vendor, vendor employees or vendor subcontractors in the preparation of the solicitation and the later execution of the contract, including any supplemental agreements with members. Any litigation involving either Region 4 ESC or TCPN, its administrators and employees and agents will be in Harris County, Texas. Any litigation involving TCPN members shall be in the jurisdiction of the participating agency.	

Proposal # _____

Dear Valued TCPN Member/User:

Thank you for your consideration in accessing and potentially using a TCPN-awarded contract. As you are aware, we take each and every awarded vendor through a very transparent and competitive process. Nonetheless, we continue to look for methods to better serve our customers. Most recently, we have implemented a new proposal registration program to provide consistency and faster service for our members. The process will require Facility Contract holders to register and receive a Certified TCPN Proposal Number that must be prominently displayed on each proposal(s) that you receive. This new system will track Facility transactions from the initial proposal stage to the completion of each project. TCPN has assembled an experienced Facilities Management Team that stands ready and willing to assist its vendors in providing quality services to your organization. We support and encourage you to call our TCPN Team to verify the Certified TCPN Proposal Number and ask further questions. Failure to receive the Certified TCPN Proposal Number can result in potential delays to your services. Please see our website at www.tcpn.org to contact our team members in serving your needs.

Thank you for your potential business and remember to only accept proposals with a Certified TCPN Proposal Number.

Sincerely,

The TCPN Facilities Management Team

TCPN Certified Proposal Number Process

Fill out the form on the Facilities page at www.TCPN.org

(Direct link is http://www.tcpn.org/Pages/Facilities.aspx)

***Click on TCPN Logo in center of page and a form will pop up.**
*** Fill out and submit.**

- All proposal numbers requests must be submitted ***and*** a proposal number received ***before*** you present it to your potential customer.
- You will have a response with a Certified TCPN Proposal Number within 24 hours.
- If you have an emergency and need a proposal number sooner, call any member of the Facility Management team and we will help you.
- Include the proposal number and TCPN Official Contract Holder seal of approval on all proposals. Feel free to use the attached form for your convenience.

FACILITY SOLUTIONS SPECIAL TERMS & CONDITIONS
VENDOR ACCEPTANCE FORM

This document acknowledges that you have received and agree to the details, directions and expectations of the Certified TCPN Proposal Number process.

Date: October 9, 2017

RFP Number: 17-17

Company Name: Tandus Centiva US LLC

Printed Name: Leonard F. Ferro, President

Signature:

Appendix E:

QUESTIONNAIRE

Please provide responses to the following questions that address your company's operations, organization, structure and processes for providing products and services.

1. States Covered

Offeror must indicate any and all states where products and services can be offered.
Please indicate the price co-efficient for each state if it varies.

☒ **50 States & District of Columbia** (Selecting this box is equal to checking all boxes below)

☐Alabama	☐Montana
☐Alaska	☐Nebraska
☐Arizona	☐Nevada
☐Arkansas	☐New Hampshire
☐California	☐New Jersey
☐Colorado	☐New Mexico
☐Connecticut	☐New York
☐Delaware	☐North Carolina
☐District of Columbia	☐North Dakota
☐Florida	☐Ohio
☐Georgia	☐Oklahoma
☐Hawaii	☐Oregon
☐Idaho	☐Pennsylvania
☐Illinois	☐Rhode Island
☐Indiana	☐South Carolina
☐Iowa	☐South Dakota
☐Kansas	☐Tennessee
☐Kentucky	☐Texas
☐Louisiana	☐Utah
☐Maine	☐Vermont
☐Maryland	☐Virginia
☐Massachusetts	☐Washington
☐Michigan	☐West Virginia
☐Minnesota	☐Wisconsin
☐Mississippi	☐Wyoming
☐Missouri	

Freight cost included in pricing is based on continenal US rates. Additional freight cost will apply to areas outside the boarders of the United States,

☒ **All U.S. Territories & Outlying Areas** (Selecting this box is equal to checking all boxes below)

☐American Samoa	☐Northern Marina Islands
☐Federated States of Micronesia	☐Puerto Rico
☐Guam	☐U.S. Virgin Islands
☐Midway Islands	

Product pricing and freight cost for these locations to be quoted on a project to project basis.

2. Diversity Programs

- Do you currently have a diversity program or any diversity partners that you do business with? ☒Yes ☐No
- If the answer is yes, do you plan to offer your program or partnership through TCPN ☒Yes ☐No

(If the answer is yes, attach a statement detailing the structure of your program, along with a list of your diversity alliances and a copy of their certifications.) See attached Diversity Brochure

- Will the products accessible through your diversity program or partnership be offered to TCPN members at the same pricing offered by your company?
  ☒ Yes ☐ No

  (If answer is no, attach a statement detailing how pricing for participants would be calculated.)

3. Minority and Women Business Enterprise (M/WBE) and (HUB) Participation

It is the policy of some entities participating in TCPN to involve minority and women business enterprises (M/WBE), small and/or disadvantaged business enterprises, disable veterans business enterprises, historically underutilized businesses (HUB) and other diversity recognized businesses in the purchase of goods and services. Offerors shall indicate below whether or not they hold certification in any of the classified areas and include proof of such certification with their response.

a. **Minority Women Business Enterprise**
Offeror certifies that this firm is an M/WBE ☐ Yes ☒ No

List certifying agency: _____

b. **Small Business Enterprise (SBE) or Disadvantaged Business Enterprise (DBE)**
Offeror certifies that this firm is a SBE or DBE ☐ Yes ☒ No

List certifying agency: _____

c. **Disabled Veterans Business Enterprise (DVBE)**
Offeror certifies that this firm is a DVBE ☐ Yes ☒ No

List certifying agency: _____

d. **Historically Underutilized Businesses (HUB)**
Offeror certifies that this firm is a HUB ☐ Yes ☒ No

List certifying agency: _____

e. **Historically Underutilized Business Zone Enterprise (HUBZone)**
Offeror certifies that this firm is a HUBZone ☐ Yes ☒ No

List certifying agency: _____

f**. Other**
Offeror certifies that this firm is a recognized diversity certificate holder ☐ Yes ☒ No

List certifying agency: _____

4. Residency

Responding Company's principal place of business is in the city of Dalton State of GA.

5. Felony Conviction Notice

Please check applicable box:

- ☐ A publicly held corporation; therefore, this reporting requirement is not applicable.
- ☒ Is not owned or operated by anyone who has been convicted of a felony.
- ☐ Is owned or operated by the following individual(s) who has/have been convicted of a felony.

*If the third (3rd) box is checked a detailed explanation of the names and convictions must be attached.

6. Processing Information

Company contact for:

Contract Management

Contact Person: Jamie Collins
Title: Contract Sales Support Specialist
Company: Tandus Centiva US LLC
Address: 311 Smith Industrial Blvd.
City: Dalton State: GA Zip: 30721
Phone: 706-281-2730 Fax: 706-259-2657
Email: jamie.collins@tarkett.com

Billing & Reporting/Accounts Payable

Contact Person: April Wooten
Title: Analyst - Finance
Company: Tandus Centiva US LLC
Address: 311 Smith Industrial Blvd
City: Dalton State: GA Zip: 30721
Phone: 706-259-2668 Fax: 706-259-2174
Email: april.wooten@tarkett.com

Marketing

Contact Person: Jonathan Klinger
Title: Chief Marketing Officer
Company: Tandus Centiva US LLC
Address: 311 Smith Industrial Blvd
City: Dalton State: GA Zip: 30721
Phone: 440-903-4076 Fax:
Email: jonathan.kilinger@tarkett.com

7. **Distribution Channel:** Which best describes your company's position in the distribution channel:

☒ Manufacturer direct ☐ Certified education/government reseller

☐ Authorized distributor ☐ Manufacturer marketing through reseller

☐ Value-added reseller ☐ Other _____

8. **Pricing Information**

- In addition to the current typical unit pricing furnished herein, the Vendor agrees to offer all future product introductions at prices that are proportionate to Contract Pricing.

☒ Yes

☐ No

(If answer is no, attach a statement detailing how pricing for participants would be calculated.)

- Pricing submitted includes the required administrative fee. ☒ Yes ☐ No

  (Fee calculated based on invoice price to customer)

- Additional discounts for purchase of a guaranteed quantity? ☒ Yes ☐ No

9. **Cooperatives**

List any other cooperative or state contracts currently held or in the process of securing:

Cooperative/State Agency	Discount Offered	Expires	Annual Sales Volume
BuyBoard - Texas Local Gov't Purchasing Cooperative	Confidential	Ongoing	Confidential
National Joint Powers Alliance	Confidential	Ongoing	Confidential
Educational & Institutional a Cooperative Services INC (E & I)	Confidential	Ongoing	Confidential
Choice Partners	Confidential	Ongoing	Confidential

Tandus | Centiva
A Tarkett Company
DIVERSITY &
CORPORATE
RESPONSIBILITY

INTRODUCTION

02

We don't just make floorcovering here; We make connections. From the ground up, Tandus Centiva® has been built on relationships: relationships with customers, dealers, suppliers, employees, our community and our world. These relationships are our lifelines, providing the invaluable feedback and insight that allows us to better serve an increasingly diverse world.

We recognize that success often comes from the most unexpected places.

That's why we're committed to fostering an environment that encompasses and nurtures people from all backgrounds, ages, races, ethnic groups and lifestyles. We actively seek and support the input, perspectives and ideas of each individual—including you.

At Tandus Centiva, we not only value diversity: we depend on it.

PARTNERS

03

Tandus Centiva is constantly in search of ways to become a better corporate citizen and environmental steward ... with our ideas and our actions. This innovative spirit is evident in our products, our practices and most importantly in our people, whose hard work and forward-thinking have made us industry leaders in corporate responsibility and environmental accountability for more than 40 years. This philosophy extends to our relationships with our dealers, suppliers and partners, as well.

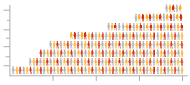
04

DEALERS

We've worked hard to develop a dealer base that reflects the communities where we do business. A strong and diverse dealer network is vital to the successful distribution, and service of our floorcovering products to help keep customers satisfied; we have the honor of working with some of the finest dealers in the business who help to foster collaborations and an entrepreneurial spirit within local communities.

Currently we support more than 250 community-based dealers who are either small or minority status businesses. Together they represent more than a $1 million of product sales through distribution. As an extension of our global business our dealer partners generate profit that helps fund local community stimulus. Almost 100% of our business outside of North America is generated through local Authorized Business Partners supported by local national Tandus Centiva employees.

$28 MILLION Product Sales



250 Community-based Dealers

SUPPLIERS

Tandus Centiva is dedicated to seeking qualified suppliers from all segments of the global community—including smaller businesses that are too often overlooked by major corporations. We go out of our way to find and engage suppliers who share our vision, philosophy and commitment; often focusing on areas of diversity that include:

- Small businesses
- Small disadvantaged businesses
- Small woman-owned businesses
- Historically Underutilized Business (HUB) Zone businesses
- Small veteran-owned businesses
- Small service-disabled veteran-owned businesses
- Certi□ed woman-owned businesses
- Certi□ed minority-owned businesses

These businesses have helped us develop efficient, innovative solutions that enhance our mutual growth and contribute to economic strength in our communities. In 2011, Tandus Centiva purchased more than $28 million in goods and services from small/minority businesses. Our goal is to increase our spending with certified diverse suppliers exponentially each year.

06

SOURCE ONE

Source One® is the project management program that services national and global accounts with local independent service providers; from the design and manufacture of products to installation and maintenance training. Source One can channel all the complex details of □ooring management and installation to professional partners providing value added services, leaving you free to focus your full attention on the project itself.

At Source One, we locate small businesses, women and minority service providers to ensure they are given the opportunity to participate in contract and procurement for supplies and services. In 2011 we utilized 14.9% of our total sourceable spend with small/minority businesses. Source One allows independent companies to compete for global business that they would not otherwise have access to locally. We continuously and consistently measure our progress to support local business through global accounts.

Jhane Barnes, owner of Jhane Barnes, Inc.

Suzanne Tick, owner of Suzanne Tick, Inc.

07

TAPPING INTO TALENT

By developing our supplier network with an emphasis on small business relationships, we are able to tap into a rich variety of talent. We value these partnerships which enhance our products and brand.

- Tandus Centiva has bene□tted from the design expertise of Suzanne Tick, owner of Suzanne Tick, Inc., an award-winning design studio, also helps to oversee the design management, product design and creative direction for Tandus Centiva. To date, Suzanne Tick has helped to successfully launch numerous styles with 13 receiving national award recognition.

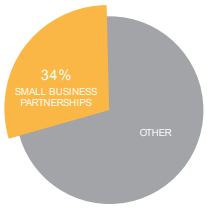
- Jhane Barnes, a men's fashion icon, also devotes time to meticulously creating designs that give □are to our □ooring. Jhane is the owner of Jhane Barnes, Inc. and was the □rst to design a random pattern for modular carpet in 1996. Since then, she has launched a number of styles, many of which rank among our best sellers.

- A small, Atlanta-based agency, Ferreria Design, is responsible for assisting Tandus Centiva in promoting our brand and producing a cohesive look in advertising and marketing materials. Lionel is the principal of Ferreria Design, and his wife Laura is a designer. Their branding expertise has elevated our design standards; their collaborative efforts won the 2010 Award of Excellence from Communication Arts for the design of our 2010 Powerbond idea book.

- Creative Strategies, an Atlanta marketing and public relations □rm, was founded in 1998 by owner and president Janice Hofmann. The agency's specialty is in working with manufacturers and industry organizations to market interiors and architectural products to designers, architects, facility managers and other speci□ers. Hofmann has been a public relations consultant with Tandus Centiva since 2009 helping to build the Tandus Centiva brand and promote new product through media outreach.

- Kulhman Leavitt is a St. Louis-based company owned an operated by Deanna Kuhlmann. The design and marketing talents of the company have been utilized to develop packaging designed to enhance the Tandus Centiva brand and products.

[More than 34% of our marketing budget is spent with small/minority businesses such as these.]



GLOBAL DIVERSITY

We are down the street and across the globe. We've been manufacturing quality products around the world for more than a decade, with products made specifically for our international customers, including Asia, Europe and Latin America. You get the same high quality products, the same flawless service and the same superior warranty, no matter where in the world you are, or plan to be.

The Tandus Centiva Design Team makes it a priority to educate themselves about emerging trends in the industry, the design marketplace and the world. A recent tour of Asia inspired the latest designs for our products manufactured in Asia. With an appreciation for customers in different parts of the world, who have various product specification needs and aesthetic preferences, Tandus Centiva devotes its creative talent and product development expertise to design products that meet those needs.

To maximize value to customers in Asia, it is important to source quality floorcovering materials locally. The difference in value between sourcing local materials in Asia as opposed to shipping materials from Tandus Centiva in the U.S. is dramatic. Sourcing locally has allowed us to offer exceptional products at competitive prices and without the burden of exorbitant delivery costs.

We have more than 105 offices, dealer partners and manufacturing facilities around the world. At each of these locations, we employ more than 187 global sales associates, and collaborate with dealer employees who can best relate to the customer base in an area. That not only improves our ability to provide the best service, but also promotes a cross-sharing of ideas and best practices throughout the company.

EMPLOYEES

At Tandus Centiva, we understand that to be truly successful in a multicultural world we must work hard to understand, embrace and mirror that world. The employees we have at Tandus Centiva reflect the company's commitment to diversity. Our sales force, corporate staff and manufacturing facilities around the world meet or exceed the diversity norms of the communities in which they operate.

Diversity of all sorts adds richness and perspective to our work and ultimately to our products and services. The ideas of each individual make our company innovative. We ask for all to share their thoughts and opinions, and many of their suggestions have been implemented to improve the safety and comfort of the work environment or our products.

Each year, Tandus Centiva honors employees for their service. In 2011, 12 people were recognized for 25 years of service, 5 people for 30 years, and 3 for 35-45 years of service. Many people have spent their entire career—even up to 51 years—as part of the Tandus Centiva family.

We value our employees and the time and talent they offer. That's why we invest in our people with programs for continued education, leadership and training. Our training programs have been recognized year after year by "Training Magazine" in the top 125. The company also supports associates in earning LEED accreditation.

SAFETY

The safety and health of our associates is our highest priority. In order to have world-class products and services, our workforce safety must also be world-class. It is our objective to provide our associates with working conditions free from recognized hazards which may cause injury or illness. We accomplish this goal by maintaining a comprehensive Safety and Health Policy that involves the managers, supervisors, and associates. Our policy applies to all our facilities, staff and associates, and guests. Each associate aims to follow all safety rules and to use the safety equipment necessary to perform all tasks.

Our employees contribute to improving all facets of operation including safety, production, quality and environmental ideas. Due to the dedication of our team, six of our seven facilities earned the 2011 GAM Safety Performance Contest without a lost time accident or disabling injury. The tufting facility was also awarded with the □rst place Safety and Performance Award from the Georgia Manufacturers Association. Furthermore, our OSHA recordable rate is less than half of the average industry rate.

We utilize the Job Safety Analysis process for both machine and tasks to improve performance and ensure the tasks are performed safely. This process helps us determine the correct level of personal protective equipment to use for each task. This is very much a team process involving the safety person, the supervisor and the operators.

Giving back to the communities in which we live and work, through volunteering, philanthropy and product donations, is part of who we are at Tandus Centiva. Each year the company contributes time and resources to a variety of organizations, especially those who focus on healthcare, education, and family services. Examples of the organizations we work with include:

- United Way
- American Cancer Society (Tandus Centiva was the top fund raiser with more than $35,000 for the Relay for Life, Whit□eld County)
- Alzheimer's Association
- Junior Achievement
- Boys and Girls club
- Whit□eld Healthcare Foundation
- Donating money & blood for tornado victims

One of our ongoing missions is the Green Schoolhouse project. It's a unique collaboration bringing together corporations, foundations, school districts, municipalities, communities, media outlets, and volunteers to build high-performance, environmentally sustainable, LEED-Platinum designed Green Schoolhouses at Title 1, low-income, public schools. Since many of our products contribute to LEED-Platinum criteria, we are able to assist with floorcovering, which enhances the learning environment.

In China, there are thousands of migrant workers who have left their homes and their loved ones to relocate to Shanghai. These are hard-working, low-income people whose children live like the "street kids" and often do not receive education. Tandus Centiva was invited to work with the Architecture and Interiors team of Gensler for a seasonal teamwork session to help retro□t the migrant school facility in the Shanghai suburb of Jinshan. We spent two days helping to renovate and upgrade their school with donated carpet and hours of volunteer work to help create a welcoming environment.

As part of our Earth Day 2011 celebration, we dedicated a large portion of land at one of our Dalton, GA campuses to plant a garden. Throughout each week employees take the time to cultivate and harvest cucumbers, tomatoes, green beans, sweet potatoes, squash and more. But it's not just about caring for the earth. Harvesting of these vegetables has yielded more than 50 lbs of produce per week that are then delivered to the local soup kitchen within our community.

The Million Tree Project in Asia, was organized to encourage individuals and organizations to firstly minimize their negative environmental impact by polluting less, and then improve their positive environmental impact by planting trees in the desert lands of Inner Mongolia. The previously lush landscape of Kulun Qi, Inner Mongolia is now a rapidly expanding desert. Tandus Centiva donated 500 designed T-shirts to Roots & Shoots (Shanghai), to support their Million Tree Project, which aims to plant one million trees in Inner Mongolia, North China. Our support was specially designed to inspire and encourage people in raising awareness of the environment. With every T-shirt sold, there are also 2 trees planted and nurtured on our property.

The Inspirations Program was launched in 2008, and in its first three years has recognized design firms from across the nation that have made a remarkable difference in their community through socially responsible design. Awards go to those who show leadership in socially responsible design among commercial interior designers and architects. Past winners have been acknowledged for projects in schools, community centers and more and receive $5000 grants to support the work of that client. Visit our website at tandus.com/content/business-practices/corporate-responsibility to learn more about this inspiring program.

The format of our international sales meeting has changed to include a community service activity. Each year, nearly 200 energetic Tandus Centiva associates from around the world rally together to work on projects that benefit the community—from painting schools and building playgrounds to donating and installing floorcovering. This has become the most popular component of the meeting, and has proven to be an inspirational and moving experience for all associates.

Jenelle Dockery, a Tandus Centiva account executive, and her husband have worked to raise money for VN Help to bring wheelchairs to needy recipients in Vietnam. Last year, Jenelle traveled to Vietnam to personally deliver 150 wheelchairs. "Wheelchairs are very expensive," says Jenelle. "Some recipients have never been able to leave their homes."

On their trip, Jenelle and her husband also visited the children of the Duc Huy kindergarten in the Dong Nai province where additional funds had built a kitchen and provided running water.

In 2009 Tandus Centiva a program called Tandus Centiva Heroes to recognize employees who go above and beyond in giving their personal time and money to worthy causes. These Heroes are selected through nominations sent in by other employees, and are recognized publicly by senior management for their work in the community. Quite frankly, we find all of our associates to be inspiring.

For example, Tanya Ogden, regional vice president for Latin America, spends her weekends cooking and tutoring children; Jenelle Dockery, account executive, has created a program to collect and donate wheelchairs to provide mobility to the disabled of Vietnam, and a number of account executives have spent their time installing donated flooring in schools and areas where traumatic events have occurred.

"I cooked every other Saturday at the Atlanta Day Shelter for Women and Children. I have been doing that for the past 9 years," says Tanya. She and a friend cook breakfast for 100-150 people. "It has been the most rewarding thing that I do in my life."

Tanya also tutors and mentors Mexican children on Sunday afternoons during the school year who might otherwise not receive the help they need because of the language differences. "La Amistad has helped many children, and all children that go through this program graduate high school with very high grade point averages and therefore have hope for a bright future as adults."

"It has been the most rewarding thing that I do in my life."

Whether it's lending a hand to the community we call home or recognizing those individuals or industry partners who help those in need, corporate responsibility is ingrained in the Tandus Centiva culture.

Angela Micik, a Customer Service Representative for the company, was named a 2012 Tandus Centiva Hero.

Angela was nominated by many of her co-workers for her outstanding work with the Murray County Humane Society as the organization's largest foster care provider for dogs and cats. She has been fostering animals for more than 12 years and currently has more than 40 rescued animals in her care.

"I actually purchased my home primarily so I could convert a large building on the property into housing with electricity for these rescued animals," said Angela. "I'm able to provide appropriate environments for puppies and adult dogs but also for those animals who have been abused or elderly. The greatest thing now is that the veterinarian visits me instead of the other way around!"

For more than 40 years, Tandus Centiva has been examining all the ways to be a better corporate citizen and environmental steward — and then taking actions that lead to demonstrable, meaningful, quantifiable results. Thank you for allowing us to be a part of your business.

Tarkett | THE ULTIMATE FLOORING EXPERIENCE

Appendix F:
Company Profile

Please provide the following:

1. Company's official registered name. Tandus Centiva US LLC

2. Brief history of your company, including the year it was established.

Tandus Centiva began as Collins & Aikman Floorcoverings, Inc. in 1964 with the acquisition of Painters Carpet Mills which was a broadloom carpet manufacturer.

In 1967, Collins & Aikman invented a specialty flooring system known as Powerbond®.

In 1969, Collins & Aikman was the first carpet manufacturer to introduce modular tile to North America.

In 2010, Monterey and Crossley, two renowned broadloom and woven carpet manufacturers, were acquired by Collins & Aikman. Tandus was established with the integration of these three world-class brands. This acquisition yielded a portfolio of soft surface flooring products to support a broad array of flooring requirements upon which Tandus formulated its Fit for Purpose tailored approach for interior environments.

In 2012, Tandus was acquired by Tarkett. Tarkett, headquartered in La Defense, France, has a 130+ year of history of providing innovative, sustainable flooring and sports surface solutions to global customers.

The acquisition of Tandus enabled Tarkett to expand into the commercial carpet market in North America and Asia Pacific.

In 2013, Tarkett integrated Tandus with Centiva, a manufacturer of luxury vinyl tile, to create Tandus Centiva.

These two premier brands combine to offer a vast collection of coordinated soft surface and luxury vinyl tile commercial flooring products.

Johnsonite, another Tarkett brand, is a leading specialty flooring and accessories manufacturer and supplier. Johnsonite products can be used as stand-alone product solutions or to supplement Tandus Centiva and Tarkett flooring solutions.

The synergies achieved by the Tarkett family of brands strengthens the Tandus Centiva portfolio strategy. This integrated approach, combined with our global capabilities, yields a true Tandus Centiva market differential.

Tarkett has acquired over 20 companies in the past twelve years.

3. Company's Dun & Bradstreet (D&B) number. FEIN 80-0118849 / Duns 167135933

4. Corporate office location. 311 Smith Industrial Blvd Dalton GA 30721

5. List the total number of sales persons employed by your organization within the United States, broken down by market.

Northeast - 19
Mid-South - 17
Mid-Atlantic - 13
Southeast - 17
Northern Plains - 13
Midwest - 16
Southwest - 18
Pacific - 15
West - 18
Canada – 18

6. List the number and location of offices, or service centers for all states being offered in solicitation. Additionally, list the names of key contacts at each location with title, address, phone and e-mail address.

Please see our sales directory attached for our reginal VP, showrooms, and sales personnel

7. Please provide contact information for the person(s) who will be responsible for the following areas, including resumes:
    a. Sales

Jeff Newman, Account Executive
Tel. 713-824-4812
Email: jeff.newman@tarkett.com
Jeff has been with Tandus Centiva in Houston, Texas since 1995 as the Account Executive for the Education Segment. His responsibilities include selling to K-12, higher education, private school and religious organization clients. His years of experience working with our local ISD's and Higher education has created the demand for product that have high performance and that work soundly for the schools users – the children.

Karen Perucki, Account Executive
Tel. 832-367-5109
Email: Karen.perucki@tarkett.com
Karen was our Account Executive in Florida from 1995 – 2004 dealing with state contracts and working in our government and education segments. She has covered the Healthcare and Government market segments for Tandus Centiva since 2007. Using her unique customer-focused skill set, Karen is able to wield her way through complex government contracts and focus on large institutional clients.

    b. Sales Support

Patti Ollis, Customer Service
Phone: 706-248-2878 ext 3036
Email: patti.ottis@tarkett.com
Patti has been with the company over 20 years, supporting account executives and customers with orders.

    c. Marketing

Jonathan Klinger, Chief Marketing Officer
Phone: 440-903-4076
Email:jonathan.klinger@tarkett.com
Jonathan has been with Tarkett North America since November 2015. In his role as Chief Marketing Officer, he is responsible for Marketing, Product Development & Innovation and Sustainability for all Tarkett, Johnsonite and Tandus Centiva products. Prior to Tarkett, Jonathan gained 25 years marketing and product development experience in the Consumer Goods, Technology and Building Products industries, in Europe and North America.

    d. Financial Reporting

April Wooten, Finance
706-281-2668
Email: april.wooten@tarkett.com
April has worked with Tandus Centiva for 5 years. During her time at Tandus Centiva, she has held positions in Customer Service, Source One, and Finance. She has worked in the carpet industry for 18 years fulfilling many different roles throughout her career.

    e. Executive Support

Brooks Turner, Vice President Education - Sales
Phone: 512-585-3779
Email: brooks.turner@tarkett.com
Brooks has been with Tandus Centiva since April of 2006. Brooks successfully managed Central and South Texas territory as a multi segment managers - prior to his current role as Vice President of Education Sales, for Tarkett NA. Having years of experience working in learning environments, he understands the needs for product performance and the procurement process requirements.

8. Define your standard terms of payment. Net 30

9. Who is your competition in the marketplace? Shaw, Mohawk, Interface

10. Overall annual sales for last three (3) years; 2015, 2016, 2017.
In million: Euros 2015 – 2,714.8, & 2016 - 2,739.3, 2017 reports will not be out until about March of 2018

11. Overall public-sector sales, excluding Federal Government, for last three (3) years; 2015, 2016, 2017.
Tarkett doesn't break out "public sector" numbers in their financials. They consider government part of "Workplace." There is a division for aviation, transportation. Neither of these are broken out in the financials.

12. What is your strategy to increase market share?

• Increased presence at various trade shows in Government and Education Markets
• Solicitation through direct mail pieces
• Training of IPA/TCPN Representative thru their local Tandus Centiva Sales Representatives throughout the U.S.

13. What differentiates your company from competitors?
With the world's largest portfolio of flooring solutions and drawing on over 130 years of experience in the flooring industry, Tarkett is perfectly positioned to offer the most adapted solution for any type of flooring need and within any of the different market segments. No other flooring manufacturer in the world offers such a large range of different flooring types in as many countries as Tarkett.

Tandus Centiva, a Tarkett Company offers the following products:

- Broadloom
- Woven
- Modular
- Powerbond

Differentials:

- Global market leadership
- Global Services
- Implementation
- Contract Intranet Sites
- Reporting (Quarterly and Yearly)
- Inventory Management
- Strategic Account Facilitator
- Order Tracking, Delivering and Sampling
- Project Management and Installation
- Diversified product range
- Balanced geographic and end-market exposure for resilience to cycles
- Scale and execution excellence across the value chain: innovation, price competiveness, design and customer service
- Regional design centers that anticipate local trends
- Optimization of industrial and logistics set-up
- Commercial sales forces with longstanding client relationship.
- Global leverage, creating more negotiating power
- Reclamation/Recycling
- Best-in-class industrial processes

14. What is the reputation of your company and your company's products and services in the marketplace?

Tarkett is a family of brands—Tandus Centiva, Johnsonite, and Desso—with products designed to work together, all united by a single purpose: Collaborating for better futures by creating beautiful spaces in which people can be as happy, healthy, and productive as possible. Tarkett believes deeply in the value of collaboration, in bringing together different voices and ideas to create something worth more than the sum of its parts. We've been co-creating with our customers and leading designers around the globe to create flooring solutions that inspire. Every day, we're leading sustainable business practices by prioritizing the health of people and the planet in everything we do—from sourcing ingredients to recycling. And we're opening the doors to the entire industry to join with us in our efforts. Good materials. Good environments. Good health.

15. Describe the capabilities and functionality of your firm's on-line catalog/ordering website.

• Web-based Solutions – you may take advantage of Sample ordering through our website at www.tandus-centiva.com.
• Customer Service - you may order samples through the website at www.tandus-centiva.com. In addition, you may call the Customer Service toll free number 800-248-2878 and request literature, samples and/or specifications.
• Technical Support personnel available for both Installation related items, as well as product technical information. There is no additional cost for these services. Training and support are available on an as-needed basis.
• Post-installation Services and Maintenance Floor information and technical support as needed for maintenance related issues, as well as installation services technicians for installation related items. There is no cost for these services.
• Order Placement our preferred method(s) of receiving orders are via telephone, fax, email, and original purchase order. We also have the capability to accept orders via EDI.

16. Describe your company's Customer Service Department (hours of operation, number of service

Customer Service Department is located in Dalton, Georgia.
Normal hours of operation are from 8:00 AM to 7:00 PM Eastern time.
The following locations provide showrooms and sales office support for Account Executives located strategically throughout North America.

Dalton, Georgia
Santa Ana California
Calhoun, Georgia
San Francisco, California
Washington, DC
Mississauga, Ontario
Chicago, Illinois
Dallas, Texas
New York, New York
Los Angeles, California
Atlanta, Georgia
Truro, Nova Scotia

18. Provide information regarding whether your firm, either presently or in the past, has been involved in any litigation, bankruptcy, or reorganization. We are not involved in any litigation, bankruptcy or reorganization, presently or previously, that would materially affect our ability to perform the duties, responsibilities and services under this RFP

Marketing / Sales

17. Detail how your organization plans to market this contract within the first ninety (90) days of the award date. This should include, but not be limited to:

a. A co-branded press release within first 30 days
b. Announcement of award through any applicable social media sites
c. Direct mail campaigns
d. Co-branded collateral pieces
e. Advertisement of contract in regional or national publications
f. Participation in trade shows
g. Dedicated TCPN and Region 4 ESC internet web-based homepage with:
   i. TCPN and Region 4 ESC Logo
   ii. Link to TCPN and Region 4 ESC website
   iii. Summary of contract and services offered
   iv. Due Diligence Documents including; copy of solicitation, copy of contract and any amendments, marketing materials

• eBlast will be done on award as well as an ongoing basis quarterly to inform IPA/TCPN customers of Tandus Centiva using IPA/TCPN provided email listing.
• Mass mailing of promotional item (fuzzy mailer, contract cut sheet, etc.).
• Web page launch - we can host a Tandus Centiva destination for our agreement. Features will be new products, coop highlights, platform explanations, etc
• Quarterly eBlast with photography and promotions to IPA/TCPN members
• Free mock ups
• Additional discount for period of time
• Mill Visits
• Discount for use in new construction
• Target accounts for promotion
• Joint sales calls to rollout by IPA/TCPN region
• ID the greatest opportunities ($)
• Where do we know cooperative purchasing works?
• ID larger groups where there are potential opportunities to become the "preferred" supplier. Remove barriers. Secure business
• Trade show collaboration
• Identify mutual shows for 2018-2019
• Develop literature piece for the trade shows for collaboration-available in both booths. Provide flooring for trade show booth as needed or desired

18. Describe how your company will demonstrate the benefits of this contract to eligible entities if awarded.
Provide the benefits of turnkey opportunities and use its experience to streamline the process from proposal to floor and every step in between. Tandus Centiva, a Tarkett Company, will work with the entities to determine what works for them, and seek ways to improve their floorcovering purchasing processes.

19. Explain how your company plans to market this agreement to existing government customers.
We have a dedicated set of sales representatives that cover the various segments: Education and Government. These representatives will have the ability to target the various end users within state, city and counties.

20. Provide a detailed ninety (90) - day plan describing how the contract will be implemented within your firm.
We would strategically market through direct mail and email (would need current database from IPA/TCPN the listed membership throughout the contiguous 50 states. Distribute the list locally to the Tandus Centiva sales representatives and ask for a follow-up sales call. Document success/failure information.

21. Describe how you intend on train your national sales force on the Region 4 ESC agreement.
• Account Executive (AE) awareness program centered on how to use IPA/TCPN to secure both renovation and new construction projects. This effort will be centered on preselected success stories that illustrate how the IPA/TCPN Coop does work versus how it can work. Success sells.
• Tandus Centiva will develop an internal document that describes the working aspects of the IPA/TCPN contract.
• Applicable documents will be posted and available on the mainframe computer system and accessible 24/7 on Tandus Centiva Account Executives (AE) laptops.
• A web cast conference call will be held for all Regional Vice Presidents and staff.
• A series of web cast conference calls will be conducted by region for all Tandus Centiva sales personnel.
• IPA/TCPN will be encouraged to participate on all conference calls.
• A joint press release will also be drafted and sent to all employees

22. Acknowledge that your organization agrees to provide its company logo(s) to Region 4 ESC and agrees to provide permission for reproduction of such logo in marketing communications and promotions.
Yes, IPA/TCPN Region 4 ESC has permission to use Tandus Centiva, A Tarkett Company, logos as outlined in this RFP.

23. Provide the revenue that your organization anticipates each year for the first three (3) years of this agreement.
$750 -1 million in year one

$750 -1.25 million in year two

$750 -1.5 million in year three

Administration

24. Describe your company's implementation and success with existing cooperative purchasing programs, if any, and provide the cooperative's name(s), contact person(s) and contact information as reference(s).
IPA/TCPN proves to be a highly recognized and frequently utilized Cooperative Purchasing Agreement that Tandus Centiva has in the Southwest and continues to be implemented in other states. (Tandus Centiva has enjoyed successful relationships over the past several years with NJPA, E&I and Choice Partners)

25. Describe the capacity of your company to report monthly sales through this agreement.
We have the ability to provide monthly, quarterly and annual reporting and details of purchases and payment of fees. Tandus Centiva and IPA/TCPN will work jointly to determine a reporting structure that is acceptable to both companies.

26. Describe the capacity of your company to provide management reports, i.e. consolidated billing by location, time and attendance reports, etc. for each eligible agency.
We can provide reporting showing the purchases of floorcovering through invoicing of materials. We do not have the ability to provide time and attendance reports or consolidated billing. Our invoicing policy is to invoice for materials as they are shipped with payment due in 30 days. Labor invoices are due in 30 days after acceptance and invoicing.

27. Please provide any suggested improvements and alternatives for doing business with your company that will make this arrangement more cost effective for your company and Participating Public Agencies.
The relationship with IPA /TCPN has worked well in the past. Tandus Centiva, a Tarkett Company, will work with IPA/TCPN to determine future opportunities for improvement.

Green Initiatives

We are committed to helping to build a cleaner future! As our business grows, we want to make sure we minimize our impact on the Earth's climate. So we are taking every step we can to implement innovative and responsible environmental practices throughout Region 4 ESC to reduce our carbon footprint, reduce waste, promote energy conservation, ensure efficient computing**,** and much more. We would like vendors to partner with us in this enterprise. To that effort, we ask Offerors to provide their companies environmental policy and/or green initiative.

28. Please provide your company's environmental policy and/or green initiative.
Tandus Centiva, a Tarkett Company, applies Cradle to Cradle principles to analyze our environment impact - Material Health, Material Reutilization, Renewable Energy, Water Stewardship, and Social Fairness. Tarkett is a member of the Circular Economy 100 (CE 100) - an innovation program to help organizations realize their circular economy ambitions faster. We actively contribute to the World Economic Forum (a partner company since January 2016). Our production facilities' World Class Manufacturing Teams focus on our Sustainability Initiatives and 2020 Initiatives/objectives - Increase the share of abundant, renewable and recycled material /75% of the materials at the source of our supply chain do not contribute to resource scarcity; Reduce usage of fresh and potable water / 100% of our manufacturing sites to have implemented closed loop water circuits; Decrease energy consumption and greenhouse gas emissions / 20% reduction of GHG emissions against a 2010 baseline; Ensure all manufacturing waste enters into a biological or technical cycle / zero industrial waste going to landfill. And, in the spirit of collaboration, we are working with the US Chamber of Commerce Foundation in developing a Circular Economy Tool Kit. This tool will support identifying key factors and allow for consistent reporting.

Whole Life Cycle Carbon Costing - Renewable Energy & Carbon Management (products assembled and manufactured with renewable, non-polluting energy) are elements of review within Cradle to Cradle - a multi attribute, continuous improvement standard, where products are also evaluated for Material Health, Material Reutilization, Water Stewardship and Social Fairness.

Eco-efficiency for Materials and Packaging - Tarkett assures excellence in process management across its operations. Tarkett has been implementing the World Class Manufacturing (WCM) program worldwide in all its

factories. WCM provides methods and training for continuous improvement in Best Manufacturing Practices to increase competitiveness, improve customer satisfaction, and demonstrate excellence in terms of safety and respect of the environment. The central Purchasing team has a responsibility for the strategic raw materials and some outsourced finished goods in order to develop long-term supply and industrial partnerships which are vital to the company. Local teams (at division and site levels) are responsible for a large base of services, materials and products. Tarkett's mission is to build strong relationships with suppliers, conduct tenders and organize supplies for best results.

Carbon Footprint Reduction - "Our whole vision is geared to drawing on innovation and human ingenuity to transform our business towards a collaborative circular economy model, positively impacting people, planet and profits," says Michel Giannuzzi, CEO of Tarkett, "and for this reason, we had no hesitation in supporting this vital climate change initiative, as we believe that a long-term commitment, extending beyond COP 21, is required to tackle these issues. Smart businesses of the future will have to reduce their carbon footprint, one of the key goals of the circular economy. In this way, we can innovate and drive economic growth that is both profitable and fully sustainable."

Energy Required to Manufacture/Transport Purchased Materials - Tarkett tracks usage of energy, green gas emissions, works to increase use of local suppliers, and in North America- the Tarkett Commercial Resilient Division utilizes 'pool trucks' - consistent/full use of trailer loads across the North America

Environmental Impact of Material Disposal - Fostering the circular economy approach, we eco-design our new products with recyclable good materials that can enter into a production or biological cycle at the end of use. Tarkett's 2020 objective is 0 industrial waste going to landfill. And, ReStart (take-back program) collects and recycles product samples, post installation waste and post-consumer flooring.

Since 2010, one measure of corporate responsibility is Tarkett's progress in fulfilling the Ten Principles of the United Nations Global Compact. We are committed to adopt and implement robust policies and procedures in the areas of human rights, labor standards, the environment, and business ethics to counter corruption. Tarkett encourages its suppliers to respect the UN Global Compact principles. We practice sustainability through our closed loop circular design model which is our way of best applying the Cradle to Cradle® principles to support the development of the circular economy. Our Closed Loop Circular Design incorporates:
Good Materials - choosing materials that respect health and the environment and can be recycled.
Resource Stewardship - Optimizing the use of resources such as water and energy and limiting greenhouse gas emissions during the production phase of our manufacturing activities.
People Friendly Spaces - Contributing to the health and wellbeing of our products' users during the usage phase.
Reuse - Recycling products at end of use to eliminate waste and restart a product cycle with quality materials.

Vendor Certifications (if applicable)

29. Provide a copy of all current licenses, registrations and certifications issued by federal, state and local agencies, and any other licenses, registrations or certifications from any other governmental entity with jurisdiction, allowing Offeror to perform the covered services including, but not limited to licenses, registrations or certifications. M/WBE, HUB, DVBE, small and disadvantaged business certifications and other diverse business certifications, as well as manufacturer certifications for sales and service must be included if applicable.

Attached you will find:

Cradle to Cradle – Silver

ISO 9001 Certificate

ISO 14001 Certificate

OHSAS 18001

Additional State Licensures available upon request

TANDUS CENTIVA
SALES ORGANIZATION
NORTHEAST REGION - 10
VOICEMAIL GROUP CODE 4030

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
011	**LARRY QUEEN**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1150 Ofc.: 646-653-7981 Fax: 866/598-1221 Mobile: 914/420-5573 Email: Larry.Queen@tarkett.com		Northeast Regional Vice President **CT, MA, ME, NH, NJ, NY, RI, VT** Tina Portelli, Administrative Assistant VM: 1102
	New York Showroom	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	Ofc.: 646-653-7982 Fax: 212/206-7713 Ofc.: 800/223-2472 Speed: 024		Email: Tina.Portelli@tarkett.com
018	**JODI ARDEN**	**Mail to:** P O Box 653 33 Tulip Road Lincolndale, NY 10540 **Samples to**: Jodi Arden Unit 2D03 Uncle Bob's 15 Kenosia Avenue Danbury, CT 06810	VM: 1104 Fax: 866/838-8267 Mobile: 914/719-3348 Jodi.Arden@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Maine, New Hampshire, Vermont
257	**SCOTT BARKOFF**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1133 Ofc: 646-653-7985 Fax: 866/598-1223 Mobile: 516/578-2242 Email: Scott.Barkoff@tarkett.com	Design Soft Surface & LVT	NY counties: Nassau, New York, Queens, Suffolk
204 Agent	**KAREN BELLINGER**	**Mail:** 1701 Mars Hill Road Florence, AL 35630 **Samples:** 8041 E. Main Road Le Roy, NY 14482	Mobile: 256/702-0040 Email: kbellinger@hpsubfloors.com	All Segments LVT	New York counties: Albany, Allegany, Broome, Cattaragus, Cayuga, Chautauqua, Chemug, Cortland, Erie, Genesee, Livingston, Monroe, Niagra, Oneida, Onondaga, Ontario, Orleans, Oswego, Schuyler, Seneca, Stueben, Tioga, Tompkins Wayne, Wyoming
020	**FRAN BURRAGE**	96 Susan Drive Westfield, MA 01085	VM: 1158 Fax: 866/598-1226 Mobile: 413/478-0357 Email: Fran.Burrage@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Connecticut Massachusetts counties: Berkshire, Franklin, Hampden, Hampshire, Middlesex, Worcester
012	**KENNETH CONTE**	**Mail**: 610 Eagles Chase Drive Lawrenceville, NJ 08648 **Samples:** Ken Conte Unit 5147 Omega Storage 300 Lawrence Station Road Lawrenceville, NJ 08648	VM 1160 Mobile: 917/903-2818 Email: Ken.Conte@tarkett.com	Educational/Government/ Soft Surface & LVT	NY county: Richmond, NJ counties: Bergen, Essex, Hudson, Hunterdon, Sussex, Union, Warren
017	**THOM CURATALO**	318 Applewood Drive Rochester, NY 14612	VM: 1152 Fax: 866/598-3294 Mobile: 585/750-0528 Thom.Curatalo@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Upstate New York

NORTHEAST REGION - 10
VOICEMAIL GROUP CODE 4030

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
201	**CHRIS HUFF**	24 Eastbourne Street Roslindale, MA 02131	Mobile: 508/273-3546 Email: Chuff@Centiva.com	All Segments LVT	Massachusetts; Rhode Island
407	**TRACY KILMARTIN**	77 Ramapoo Road Ridgefield, CT 06877	VM: 1162 Fax: 866/930-5592 Mobile: 203/312-4965 Email: Tracy.Kilmartin@tarkett.com	Corporate/Retail/Design Soft Surface & LVT	Connecticut; NY counties: Sullivan, Ulster, Dutchess, Orange, Putnam, Rockland, Westchester
025	**REBECCAH MacCAULL**	105 Elmtree Lane Syracuse, NY 13219-2129	VM: 1157 Mobile: 315-558-4713	A&D	Upstate New York
016	**JOSH MADDEN**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1109 Ofc.: 800/241-4902 ext 1109 Fax: 866/598-1232 Mobile: 917/817-9984 Email: Josh.Madden@tarkett.com	Education/Government/ Healthcare Soft Surface & LVT	NY counties: Bronx, Dutchess, Kings, Nassau, New York, Orange Putnam, Queens, Rockland, Suffolk, Sullivan, Ulster, Westchester
403	**JOHN MAIOLO**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1107 Ofc: 646-653-7986 Fax: 866/598-1227 Mobile: 516/967-0017 Email: John.Maiolo@tarkett.com	Corporate/Retail Soft Surface & LVT	NY counties: Bronx, Kings, Nassau, New York, Queens, Suffolk
021	**JOHN MCNULTY**	612 Smithfield Road #23 North Providence, RI 02904	VM: 1159 Fax: 866/598-3296 Mobile: 617/293-7131 Email: John.McNulty@tarkett.com	Education/Government/ Healthcare	Massachusetts counties: Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Plymouth, Suffolk, Rhode Island
262	**SABRINA MESSMER**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1136 Fax: 866/598-1228 Mobile: 347/266-5569 Email: Sabrina.Messmer@tarkett.com	Corporate/Retail Soft Surface	NYC
263	**REGINA MOYER**	4 Bishop Street #309 Framingham, MA 01702	Mobile: 347/514-2588 Email: Regina.Moyer@tarkett.com	Corporate, A &D	Massachusetts counties: Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Plymouth, Suffolk
252	**KIMBERLY O'HANLEY**	Send mail to: 83 Sunrise Dr. Weymouth, MA 02191 Send samples to: 840 Summer Street, Suite 207 South Boston, MA 02127	VM: 1144 Fax: 866/598-1231 Mobile: 781/401-0016 Email: Kimberly.O'Hanley@tarkett.com	Design	Massachusetts counties: Barnstable, Bristol, Dukes, Essex, Middlesex,Nantucket, Norfolk, Plymouth, Suffolk
192	**BRENDA REINGOLD**	71 Fifth Avenue, 2nd Floor New York, NY 10003-3004	VM: 1131 Ofc.: 646-653-7983 Fax: 866/598-3301 Mobile: 917/822-5573 Email: Brenda.Reingold@tarkett.com	Design Soft Surface & LVT	New York County
259	**ROBERT ROSSELLI**	6 Adams Place Mendham, NJ 07945	VM: 1143 Fax: 866/598-3345 Mobile: 973/886-1545 Email: Robert.Rosselli@tarkett.com	Corporate/Retail Soft Surface & LVT	NY county: Richmond; NJ counties: Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Warren

MIDSOUTH - REGION 11
VOICE MAIL GROUP CODE 4151

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
421	**BILL GUANDOLO**	7648 Quail Park Dr. Charlotte, NC 28210	VM: 1350 Fax: 866/598-3347 Mobile: 704/363-2582 Email: Bill.Guandolo@tarkett.com		Midsouth Regional Vice President **IN, KY, MS, NC, OH, SC, TN** Kirsten Gastley, Administrative Assistant VM: 1301 Email: Kirsten.Gastley@tarkett.com
034	**JULIE ECKERT**	6910 Windham Pkwy Louisville, KY 40059	VM: 1213 Fax: 866/598.4403 Fast Fax Mailbox: 4824 Mobile: 502/612-2139 Email: Julie.Eckert@tarkett.com	Soft Surface LVT	Kentucky and Indiana counties of Dearborn,Ohio, Switzerland, Jefferson, Clark, Floyd, Harrison
420	**LISA ELLIS**	209 Mantle Drive Clayton, NC 27527	VM: 1360 Fax: 866/598-4396 Mobile: 919/606-6639 Email: Lisa.Ellis@tarkett.com	Education/Government/ Healthcare/Design Soft Surface & LVT	North Carolina counties east of and including Rockingham, Guilford, Randolph, Montgomery, Richmond
224	**DEBORAH FILING**	4848 Heights Drive Stow, OH 44224	Mobile: 440/391-1689 Email: Debbie.Filing@tarkett.com	All Segments LVT	Ohio
060	**BRAD HATCHER**	1937 Deep Woods Trail Nashville, TN 37214	VM: 1305 Fax: 866/598-4401 Mobile: 615/330-0406 Email: Brad.Hatcher@tarkett.com	Design/Corporate/Education/ Government/Healthcare/Retail Education/Govt/Healthcare	Eastern Tennessee except Carter, Cocke, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, Washington Counties
282	**AIMEE (JACKSON) CHADWICK**	500 Whitehall Road Chattanooga, TN 37405	Mobile: 423/863-2150 Email: Aimee.Jackson@tarkett.com	Healthcare/Corporate/Retail/ Design Soft Surface & LVT	Central Tennessee Western Tennessee; Northern Mississippi
428	**NIKKI KARLIN**	4701 Figgie Drive Willoughby, OH 44094	VM: 1252 Fax: 866/598-3348 Mobile: 216/272-0325 Email: Nikki.Karlin@tarkett.com	Corporate/Retail/Design	Northeast Ohio: counties east of & including Ottawa, Sandusky,Seneca, Wyandot, Crawford, Morrow, Coshocton,Tuscarawas, Harrison, Jefferson
210	**JESSICA KESSER**	3733 Stokes Avenue Charlotte, NC 28210	Mobile: 704/724-1310 Email: Jessica.Kesser@tarkett.com	Soft Surface & LVT-Education (K-12)/Government Soft Surface & LVT-All Segments	North Carolina counties: Anson, Cabarrus, Gaston, Lincoln, Mecklenburg, Stanley, Union South Carolina counties east of & including: York, Chester, Fairfield, Richland, Lexington, Aiken
035	**NATALIE LOVE**	464 Maple Road Angier, NC 27501	VM: 1313 Fax: 866/598-4399 Mobile: 919/270-2974 Email: Natalie.Love@tarkett.com	Education/Government/ Healthcare/Design Soft Surface & LVT	North Carolina counties east of and including Rockingham, Guilford, Randolph, Montgomery, Richmond
281	**CLARICE MCPHERSON**	132 Ashland Point Hendersonville, TN 37075	VM: 1356 Fax: 866/598-4402 Mobile: 615/533-2909 Ofc.: 800/241-4902 ext 1356 Email: Clarice.McPherson@tarkett.com	Corporate/Retail/Design Design/Corporate/Education/ Government/Healthcare/Retail	Central Tennessee Western Tennessee; Northern Mississippi
040	**KELLY MOORHEAD**	12 South Memminger Street Greenville, SC 29601	VM: 1320 Fax: 866/598-6203 Mobile: 864/915-7878 Email: Kelly.Moorhead@tarkett.com	Soft Surface & LVT-All Segments	North Carolina - Asheville area South Carolina - Greenville/Spartanburg area Tennessee - Kingsport/Johnson City/Bristol area

MIDSOUTH REGION - 11
VOICE GROUP CODE 4151

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
276	**EVAN RHODES**	2920 Lake Front Drive Belmont, NC 28012	VM: 1355 Fax: 866/598-4398 Mobile: 706/599-0367 Email: Evan.Rhodes@tarkett.com	Soft Surface-Design/High Ed/ Healthcare Soft Surface & LVT-Design/ Healthcare/Education/Gov't	North Carolina counties: Anson, Cabarrus, Cleveland, Gaston, Lincoln, Mecklenburg, Stanley, Union North Carolina counties: Alleghany, Alexander, Ashe, Burke, Caldwell, Catawba, Davidson, Davie, Forsyth, Iredell, Rowan, Stokes, Surry, Watauga, Wilkes, Yadkin
065	**ERIN RINK**	5417 Gwendolyn Ridge Cincinnati, OH 45238	VM: 1364 Fax: 866/930-2670 Mobile: 513/504-5734 Email: erin.rink@tarkett.com	Soft Surface LVT	Ohio and Kentucky counties of Boone,Kenton Campbell
074	**SUSAN ROWLANCE**	3447 Fulton Dr. N.W. Canton, Ohio 44718	VM: 1210 Fax: 866/598-4404 Mobile: 216/870-7516 Email: Susan.Rowlance@tarkett.com	Education/Government/ Healthcare	Northeast Ohio: counties east of & including Henry, Putnam, Allen, Hardin, Wyandot, Crawford, Morrow, Richland, Ashland, Holmes, Coshocton, Tuscarawas, Guernsey, Belmont
273	**JOE SCHULER**	Send mail to: 7762 Crawley Drive Dublin, OH 43017 Send samples to: Simply Storage Attn: Joe Schuler Unit 602 6405 Old Avery Road Dublin, OH 43016	VM: 1264 Fax: 866/598-4397 Mobile: 614/309-8658 Email: Joe.Schuler@tarkett.com	Corporate/Education/Retail/ Government/Healthcare/ Design	Central Ohio
062	**MARY SIEWE**	1232 Waterwyck Trail Dayton, OH 45458	VM: 1363 Fax: 866/598-4407 Mobile: 937/474-8499 Email: Mary.Siewe@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Ohio and Kentucky counties of Boone,Kenton Campbell
426	**FRANK WISEMAN**	2339 Kingsbury Dr. Charlotte, NC 28205	VM: 1351 Fax: 866/598-6216 Mobile: 704/728-9552 Email: Frank.Wiseman@tarkett.com	Corporate/Retail	North Carolina except Asheville area

MID-ATLANTIC REGION - 12
VOICE GROUP CODE 4024

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
031	**OPEN**	1054 31st Street, NW, Suite 415 Washington, DC 20007	VM: 1200 Ofc.: 202/298-4400 Fax: 866/598-6217 Direct: 202/298-4400		Mid-Atlantic Regional Vice President **DC, DE, MD, NJ, PA, VA, WV**
	Mid-Atlantic Office	1054 31st Street, NW, Suite 415 Washington, DC 20007	Ofc.: 202/298-4401 Fax: 202/298-4419 (Ext. 1299 in 4-digit dialing locations) Speed: 045		Richard Ramoutar, Administrative Assistant Direct - 202/298-4401, VM: 1201 Email: Richard.Ramoutar@tarkett.com
077	**MICHAEL ALBERT**	420 Murry Hill Drive Lancaster, PA 17601	VM: 1205 Fax: 866/611-4531 Mobile: 717/439-2963 Email: Michael.Albert@tarkett.com	Corporate/Education/ Healthcare/Government/ Retail/Design Soft Surface & LVT	Central Pennsylvania
274	**GREG BRUNETTE**	201 Concord Pl. NE Washington, DC 20011	VM: 1253 Direct: 202/298-4406 Fax: 866/598-6219 Mobile: 202/441-2100 Email: Greg.Brunette@tarkett.com	Design Soft Surface & LVT	Virginia counties: Alexandria, Arlington, Culpepper, Fairfax, Fauquier, Loudoun, Manassas, Prince George, Prince William Maryland county: Montgomery; Washington, DC
260	**RACHEL CESARIO**	136 Carlton Place Sellersville, PA 18960	VM: 1215 Fax: 866/611-4528 Mobile: 610/301-5058 Email: Rachel.Cesario@tarkett.com	Design/Healthcare Soft Surface & LVT	Delaware; Pennsylvania counties: Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, North Hampton, Philadelphia; New Jersey; counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem
032	**DEBBIE CROWE**	788 Sunny Chapel Road Odenton, MD 21113	VM: 1204 Direct: 202/298-4405 Fax: 866/598-6221 Mobile: 443/310-6677 Email: Debbie.Crowe@tarkett.com	Education/Healthcare Soft Surface & LVT	Maryland; Virginia counties: Arlington, Culpepper, Fairfax, Fauquier Prince George, Prince William, Frederick, Warren, Fauquier, Rappahannock, Clarke,Culpepper,Winchester City, Page, Shenandoah; Washington, DC
078	**NEAL HELM**	10101 Logan Drive Potomac, MD 20854	VM: 1208 Fax: 866/598-6218 Mobile: 301/466-8607 Email: Neal.Helm@tarkett.com	Education/Healthcare Soft Surface & LVT	Maryland; Virginia counties: Arlington, Culpepper, Fairfax, Fauquier, Loudoun, Manassas, Prince Gerorge, Prince William, Frederick, Warren, Fauquier, Rappahannock, Clarke, Culpepper, Winchester City, Page, Shenandoah; Washington DC
033	**KRISTEN INGHRAM**	1801 Seddon Circle Virginia Beach, VA 23454	1209 866/598-6224 804/514-0555 Kristen.Inghram@tarkett.com	Corporate/Education/ Healthcare/Government/ Retail/Design (No Military Bases) Soft Surface LVT	Virginia-Excluding Arlington, Fairfax, Loudoun, Price William Counties Culpepper, Fauquier,Frederick, Warren, Rappahannock, Clarke, Winchester City, Page, Shenandoah
423	**PAUL JULIANO**	9512 White Spring Way Columbia, MD 21046	VM: 1255 Direct: 202/298-4408 Fax: 866/611-4174 Mobile: 202/557-4227 Email: Paul.Juliano@tarkett.com	Corporate/Retail Soft Surface & LVT	Virginia counties: Arlington, Culpepper, Fairfax, Fauquier, Loudoun, Manassas, Prince George, Prince William; Maryland; Washington, DC

MID-ATLANTIC REGION - 12
VOICE MAIL GROUP CODE 4024

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
275	**REBECCA MARPLE**	308 Queens Crescent Williamsburg, VA 23185	VM: 1212 Fax: 866/930-5595 Mobile: 757/719-0331 Email: Rebecca.Marple@tarkett.com	Corporate/Education/ Healthcare/Government/ Retail/Design (No Military Bases) Soft Surface & LVT	Virginia-Excluding Arlington, Fairfax, Loudoun, Prince William counties Frederick, Warren, Fauquier, Rappahonnock, Clarke, Culpepper, Winchester City, Page Shenandoah
268	**ZACH MOWERS**	1054 31st Street, NW, Suite 415 Washington, DC 20007	VM: 1207 Fax: 866/698-6223 Ofc: 202-298-4402 Mobile: 202/507-2196 Email: Zachary.Mowers@tarkett.com	Design/Retail Soft Surface & LVT	Maryland; Washington, DC; Bermuda; Virginia counties: Arlington, Culpepper, Fauquier, Loudoun, Manassas Indep. City, Prince George Prince William
036	**RICHARD PADGETT**	Send mail to: 113 Holly Grove Williamsburg, VA 23185 Send samples to: 1054 31st Street, NW, Suite 415 Washington, DC 20007	VM: 1219 Direct: 202/298-4404 Fax: 866/611-4326 Mobile: 757/810-8893 Email: Richard.Padgett@tarkett.com	Government Soft Surface & LVT	Maryland; Washington, DC; Virginia
406	**YVONNE PELLEGRINI**	2718 Point Breeze Drive Wilmington, DE 19810	VM: 1262 Fax: 866/611-4526 Mobile: 610/731-6635 Email: Yvonne.Pellegrini@tarkett.com	Corporate/Retail Design Soft Surface & LVT	Delaware; Pennsylvania counties: Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, North Hampton, Philadelphia; New Jersey counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem Delaware
256	**MELISSA CARNIVAL**	311 Kingsley Street Philadelphia, PA 19128	Mobile: 267/432-8702 Email: Melissa.Carnival@tarkett.com	Higher Education/Design Soft Surface & LVT	Delaware; Pennsylvania counties: Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, North Hampton, Philadelphia; New Jersey counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem
076	**LAUREN SMITH**	221 Sunnyland Ave Pittsburgh, PA 15227	VM: 1206 Fax: 866/611-4530 Mobile: 724/630-4926 Email: Lauren.Smith@tarkett.com	Corporate/Education/ Healthcare/Government/ Retail/Design Soft Surface & LVT	West Virginia; Western Pennsylvania
037	**OPEN**		VM: 1203 Fax: 866/598-6225	Education (K-12)/Government Soft Surface & LVT Design	Delaware; Pennsylvania counties: Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, North Hampton, Philadelphia; New Jersey counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem Southern New Jersey-A&D accounts as assigned

SOUTHEAST REGION - 13
VOICE MAIL GROUP CODE 4021

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
051	**SANDY BUTLER**	981 Joseph E. Lowery Blvd. N.W. Suite 99 Atlanta, GA 30318	VM: 1300 Ofc.: 404/888-1826 Fax: 866/611-4532 Mobile: 678/613-7087 Email: Sandy.Butler@tarkett.com		Southeast Regional Vice President **AL, AR, FL, GA, LA, MS, Puerto Rico**
	Southeast Office	981 Joseph E. Lowery Blvd. N.W. Suite 99 Atlanta, GA 30318	VM: 404/888-1825 Fax: 404/888-1844 GA: 800/722-4678 Ofc.: 800/241-3248 Speed: 011		Kirsten Gastley, Administrative Assistant 404-888-1827 VM: 1301 Email: Kirsten.Gastley@tarkett.com
119	**JASON ALSTON**	132 Knightsbridge Drive Madison, MS 39110	VM: 1303 Fax: 866/617-5053 Mobile: 601/500-2955 Email: Jason.Alston@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Soft Surface - Louisiana; Mississippi counties south of and including Warren, Hinds, Madison, Rankin, Scott, Newton, Lauderdale LVT - Louisiana except New Orleans area
059	**ANGIE CALLAHAN**	1302 Southgate Drive Villa Rica, GA 30180	VM: 1309 Fax: 866/598-3346 Mobile: 404/491-2583 Email: Angie.Callahan@tarkett.com	All Segments LVT	Georgia
280	**NANCY DOKE HARRISON**	669 South Mashta Drive Key Biscayne, FL 33149	VM: 1359 Fax: 866/617-5051 Mobile: 305/340-9953 Email: Nancy.DokeHarrison@tarkett.com	Design/Education/Government/ Healthcare	Florida counties: Broward, Hendry, Miami-Dade, Monroe, Palm Beach
209	**GINGER DYSON** **Samples to:**	PO Box 100 709 Twin Lakes Drive DeFuniak Springs, FL 32433	Mobile: 251/604-6897 Email: Ginger.Dyson@tarkett.com	All Segments LVT	Alabama; Florida counties: Calhoun, Escambia, Gulf, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, Washington, Louisiana, Mississippi
427	**STEPHANIE ELLIOTT**	1380 Canoochee Drive, NE Atlanta, GA 30319	VM: 1362 Fax: 866/611-4533 Mobile: 404/998-2872 Email: Stephanie.Elliott@tarkett.com	Corporate/Retail/Government	North Georgia; Caribbean-All Segments
055	**JEFF EVANS**	4735 Artesian Road Land O'Lakes, FL 34638	VM: 1312 Fax: 866/617-5046 Mobile: 813/727-5226 Email: Jeff.Evans@tarkett.com	Corporate/Design/Education/ Government/Healthcare/Retail	Florida counties: Charlotte, Citrus, Collier, DeSoto, Hardee, Hernando, Hillsborough, Lee, Levy, Manatee, Pasco, Pinellas, Sarasota, Sumter
053	**DION FLANIGAN**	11656 Claymont Circle Windermere, FL 34786	VM: 1308 Fax: 866/617-5047 Mobile: 321/689-0704 Email: Dion.Flanigan@tarkett.com	Design/Education/Government/ Healthcare	Florida counties: Brevard, Glades, Highlands,Indian River, Lake, Marion, Martin, Okeechobee, Orange, Osceola, Polk, St. Lucie, Seminole, Volusia
058	**OPEN**			Corporate/Design/Education/ Government/Healthcare/Retail	Florida counties: Broward, Hendry, Miami-Dade, Monroe, Palm Beach

SOUTHEAST REGION - 13
VOICE MAIL GROUP CODE 4021

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
118	**CHRISTIE HOOD**	4106 Pine Street Bryant, AR 72019	VM: 1514 Fax: 866/617-5048 Mobile: 501/607-2044 Emal: Christie.Hood@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Arkansas
052	**LAUREL PARHAM**	Send mail to: 2219 Trenton Drive Tuscalossa, AL 35406 Send samples to: Laurel Parham c/o The Resource Room at the Phoenix Building 1710 2nd Avenue North Suite #104 Birmingham, AL 35203	VM: 1306 Fax: 866/617-5054 Mobile: 334/294-9384 Email: Laurel.Parham@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Alabama; Florida counties: Bay, Calhoun, Escambia, Gulf, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, Washington
429	**KEVIN PARKS**	4086 Statewood Road NE Atlanta, GA 30342	VM: 1357 Fax: 866/617-5052 Mobile: 404/387-5458 Email: Kevin.Parks@tarkett.com	Corporate/Higher Ed/Select A&D Accounts	Georgia counties: Cherokee, Clayton, Cobb, Dekalb, Fayette, Forsyth, Fulton, Gwinnett, Henry, Muscogee, Newton, Rockdale, Walton
212	**LENNIE ROWAN**	308 Chase Lane Marietta, GA 30068	Mobile: 404/428-5210 Email: Lennie.Rowan@tarkett.com	All Segments LVT	Georgia
121	**KANDID SCOTT**	119 Breckenridge Ln Maumelle, AR 72113	Mobile: 501/209-6432 Email: Kandid.Scott@tarkett.com Fax: 866/598-6225	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Arkansas
054	**MATT SERVISS**	Send mail to: 248 Sweet Birch Lane Dallas, GA 30132 Send samples to: 981 Joseph E. Lowery Blvd. N.W. Suite 99 Atlanta, GA 30318	VM: 1311 Ofc: 404/888-1825 Fax: 866/629-4319 Mobile: 678/471-2941 Email: Matt.Serviss@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	North Georgia
424	**STACEY SWILLEY**	4106 Oriole Avenue Wilbur By The Sea, FL 32127	VM: 1353 Fax: 866/629-4320 Mobile: 386/523-7769 Email: Stacey.Swilley@tarkett.com	Corporate/Retail	Florida except Broward, Hendry, Miami-Dade, Monroe, Palm Beach counties
206	**BRETT WOOD**	1701 Mars Hill Road Florence, AL 35630	Mobile: 256/810-8357 Email: Brett.Wood@tarkett.com	All Segments LVT	Alabama, Mississippi 11-265 Tennessee,
056	**ED XANDERS**	160 Afton Lane Jacksonville, FL 32259	VM: 1314 Fax: 866/629-4324 Mobile: 904/535-6791 Email: Ed.Xanders@tarkett.com	Education/Government/ Healthcare Design	North Florida, South Georgia Florida counties: Franklin, Gadsden, Hamilton, Jefferson, Leon, Liberty, Madison, Suwannee, Taylor, Wakulla

NORTHERN PLAINS REGION - 14
VOICE MAIL GROUP CODE 4156

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
300	**CHRIS JOHNSON**	Suite 501 444 N. Wells Street Chicago, IL 60654	VM: 1450 Ofc: 312/467-9515 Fax: 866/629-4329 Mobile: 312/351-0502 Email: Chris.Johnson@tarkett.com		Northern Plains Regional Vice President **IL, KS, MN, MO, ND, SD**
	N Plains Office	Suite 501 444 N. Wells Street Chicago, IL 60654	Ofc.: 312/467-9515 Fax: 312/467-9051 Ofc.: 800/621-1097 Speed: 020		**Reed Peters, Office Manager** VM: 1401 Email: Reed.Peters@tarkett.com
	Showroom	Suite 380 222 Merchandise Mart Plaza Chicago, IL 60654	Ofc.: 312/467-1409 Fax: 312/467-1535		**Samantha Sutton, Showroom Manager** VM: 1409 Email: Samantha.Sutton@tarkett.com Cell: 312/771-7695
301	**MICHELLE ANDERSON**	6470 Fox Path Chanhassen, MN 55317	VM: 1418 Fax: 866/629-4331 Mobile: 612/900-8641 Email: Michelle.Anderson@tarkett.com	Design	Minnesota
303	**NICOLETTE BRANDSTEDT**	444 N. Wells St., Suite 404 Chicago, IL 60654	VM: 1436 Ofc.: 312/467-9515 Fax: 866/629-4338 Mobile: 312/859-9821 Email: Nicolette.Brandstedt@tarkett.com	Design Soft Surface & LVT	Chicago (N. Illinois)
315	**CLARK GRUBBS**	444 North Wells Street Chicago, IL 60654	Mobile: 312/802-8402 Email: Clark.Grubbs@tarkett.com	Design Soft Surface & LVT	Chicago (N. Illinois)
101	**CLIFF GUSTAFSON**	14293 Footbridge Way Apple Valley, MN 55124	VM: 1413 Fax: 866/677-2236 Mobile: 952/451-8405 Email: Cliff.Gustafson@tarkett.com	Education/Government All Segments	Minnesota-Soft Surface & LVT North Dakota, South Dakota
166	**ABBEY HELLAND**	4304 Holmes Street Kansas City, MO 64110	Mobile: 816/678-8605 Email: Abbey.Helland@tarkett.com	Healthcare/Corporate/Retail Design Soft Surface & LVT	Kansas, Western Missouri
093	**DAVE HESS**	151 North Michigan #2203 Chicago, IL 60563	Mobile: 224/523-6624 Email: Dave.Hess@tarkett.com	Corporate/Government/Retail Soft Surface & LVT	Chicago; Indiana Counties: Lake, Porter
443	**ERIC KUMEROW**	736 Fairview Lane Bartlett, IL 60103	VM: 1450 Fax: 866/629-4329 Mobile: 312/257-5343 Email: Eric.Kumerow@tarkett.com	Education/Corporate/A/D Soft Surface & LVT	Northern Illinois/Chicagoland Area
302	**LAURIE LANGE** **Ship samples, customs,launch:**	444 N. Wells St., Suite 404 Chicago, IL 60654 **241 Devon Avenue** **Park Ridge, IL 60068**	VM: 1462 Ofc.: 312/467-9515 Fax: 866/708-9373 Mobile: 847/814-9806 Email: Laurie.Lange@tarkett.com	Design/Healthcare Soft Surface & LVT	Chicago; Indiana Counties: Lake, Porter

NORTHERN PLAINS REGION - 14
VOICE MAIL GROUP CODE 4156

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
99	**KIRSTEN LARSON**	8355 West 103rd Street Bloomington, MN 55438	VM: 1433 Mobile: 612-500-2635 Fax: 866-677-2231	Healthcare	Minnesota
227	**ANNA NORTH**	444 N. Wells St., Suite 404 Chicago, IL 60654	Mobile: 312/810-7811 Email: Anna.North@tarkett.com	Design Soft Surface & LVT	Chicago (N. Illinois)
448	**LINDA STRANDE**	5232 Shoreview Avenue Minneapolis, MN 55417	VM: 1438 Fax: 866/677-2241 Mobile: 612/388-7622 Email: Linda.Strande@tarkett.com	Corporate/Retail	Minnesota
307	**JENNY WOLFF**	413 NW Cottonwood Drive Lee's Summit, MO 64064	VM: 1432 Fax: 866/629-4336 Mobile: 913/558-8531 Email: Jenny.Wolff@tarkett.com	Education/Government/Design Soft Surface & LVT	Kansas, Western Missouri

MIDWEST REGION - 15
VOICE MAIL GROUP CODE 4022

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
091	**JIM MUKITE**	Suite 501 444 N. Wells Street Chicago, IL 60654	VM: 1400 Ofc.: 312/467-9515 Fax: 866/677-2246 Mobile: 312/208-2265 Email: Jim.Mukite@tarkett.com		Midwest Regional Vice President **IA, IL, IN, KS, MI, MO, NE, OH, WI**
	Midwest Office	Suite 501 444 N. Wells Street Chicago, IL 60654	Ofc.: 312/467-9515 Fax: 312/467-9051 Ofc.: 800/621-1097 Speed: 020		Reed Peters, Office Manager VM: 1401 Email: Reed.Peters@tarkett.com
	Showroom	Suite 380 222 Merchandise Mart Plaza Chicago, IL 60654	Ofc.: 312/467-1409 Fax: 312/467-1535		Samantha Sutton, Showroom Manager VM: 1409 Email: Samantha.Sutton@tarkett.com Cell: 312/771-7695
308	**TIFFANY AUER**	1318 Kendon Drive St. Louis, MO 63131	VM: 1440 Fax: 866/677-2209 Mobile: 314/239-6854 Email: Tiffany.Auer@tarkett.com	Corporate/Retail/Design Soft Surface & LVT	Greater St. Louis, Missouri; Southern Illinois
167	**BRIAN AYRES**	5187 Rosemount Drive Weldon Spring, MO 63304	VM: 1416 Fax: 866/629-4332 Mobile: 314/324-0086 Email: Brian.Ayres@tarkett.com	Education/Government/ Healthcare/Corporate/Retail Soft Surface & LVT	Eastern Missouri, St. Louis Metro Area Central & Southern Illinois counties south of & including Mercer, Henry, Stark, Marshall, Livingston, Iroquois & Ford
079	**ELYSE BERTLING**	32720 West Haverford Franklin, MI 48025	VM : 1461 Fax: 866/708-9375 Mobile: 248/346-8733 Email: Elyse.Bertling@tarkett.com	Government/Healthcare	Southeastern Michigan; Ohio counties: Defiance, Fulton, Lucas,Paulding, Van Wert, Williams
073					
313	**PAUL BROWN**	15290 Curtwood Drive Linden, MI 48451	VM: 1431 Fax: 866/707-7842 Mobile: 810/908-4344 Email: Paul.Brown@tarkett.com	Corporate/Retail/Design	Mich. (Metro Detroit), Wayne, Oakland, Macomb, Monroe
151	**ANDY CRABB**	7 Cedar Ridge Court Ventura, IA 50482	VM: 1412 Mobile:641/529-7023 Email: Andy.Crabb@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Nebraska, Iowa
151	**SHAWNA CRABB**	7 Cedar Ridge Court Ventura, IA 50482	VM: 1414 Mobile: 641/529-7225 Email: Shawna.Crabb@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Nebraska, Iowa

MIDWEST REGION - 15
VOICE MAIL GROUP CODE 4022

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
162	**JAMES DEPKE**	619 Shorewood Lane Waterloo, NE 68069	VM: 1419 Fax: 866/708-9372 Mobile: 402/689-1589 Email: Jim.Depke@tarkett.com	Corporate/Education/ Government/Healthcare/Retail	Nebraska, Iowa
309	**DOUG EDWARDS**	126 Stony Creek Overlook Noblesville, IN 46060	VM: 1261 Fax: 866/708-9374 Mobile: 317/443-9579 Email: Doug.Edwards@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Indiana excluding Clark, Dearborn, Floyd, Harrison, Jefferson, Lake, Ohio, Porter, Switzerland counties
223	**JENN HAUTAMAKI**	105 E. Houstonia Street Royal Oak, MI 48073	Mobile: 313/330-1629 Email: Jenn.Hautamaki@tarkett.com	All Segments LVT East Side Michigan	Michigan, Ohio; LVT on East Side of Michigan
098	**ANDY MARHOFKE**	495 River Bluff Circle Ocononomowoc, WI 53066	VM: 1410 Fax: 866/708-9377 Mobile: 262/888-9232 Email: Andy.Marhofke@tarkett.com	Education/Government/ Healthcare	Wisconsin
310	**JENNIFER MAYNARD**	2527 Shannon Lane Kokomo, IN 46901	VM: 1454 Fax: 866/708-9371 Mobile: 765/480-3266 Email: Jennifer.Maynard@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Indiana excluding Clark, Dearborn, Floyd, Harrison, Jefferson, Lake, Ohio, Porter, Switzerland counties
306	**RENEE PRIMEAU**	Send mail to: 4822 W. Wisconsin Avenue Milwaukee, WI 53208 Send samples to: Renee Primeau 535 S. 84th Street Milwaukee, WI 53214	VM: 1434 Fax: 866/708-9370 Mobile: 414/931-1460 Email: Renee.Primeau@tarkett.com	Corporate/Retail/Design	Wisconsin
221 Agent	**KEITH SCHAETZ**	Send mail to: P. O. Box 884 Brookfield, WI 53008 Send samples to: 2244 B Bluemound Road Waukesha, WI 53186	Ofc.: 262/798-8900 Mobile: 414/315-9500 Email: keith@krsinc.com	All Segments LVT	Michigan; Wisconsin
161	**RAEAN STOCKHAM**	10581 Turnberry Court Festus, MO 63028	Mobile:314/740-8388 Email: Raean.Stockham@tarkett.com	Education/Government/ Healthcare/Corporate/Retail Soft Surface & LVT	Eastern Missouri, St. Louis Metro Area Central & Southern Illinois counties south of & including Mercer, Henry, Stark, Marshall, Livingston, Iroquois & Ford
314	**CHRISTIAN TROST**	2430 Arundel Rd. SE Grand Rapids, MI 49506	VM: 1439 Fax: 866/713-0164 Mobile: 616/293-5512 Email: Christian.Trost@tarkett.com	Corporate/Education/ Government/Healthcare/ Retail/Design LVT - West Side of Michigan	Western & Northern Michigan LVT -West Side of Michigan

SOUTHWEST REGION - 16
VOICE MAIL GROUP CODE 4023

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
111	**DAVID HOOD**	2810 Edgewood Lane Colleyville, TX 76034	VM: 1500 Ofc.: 214-290-9070 Extension: 12 Fax: 866/713-0165 Mobile: 817/798-4108 Email: David.Hood@tarkett.com		Southwest Regional Vice President **CO, OK, MT, NM, TX, WY**
	Southwest Office	1519 B Hi Line Drive Dallas, TX 75207	Ofc.: 214-290-9071 Fax: 214/741-6632 Texas: 800/443-1647 Ofc.: 800/523-5672 Speed: 015		Patrick Giles, Admin Assistant VM: 1501 Extension 18 Email: Patrick.Giles@tarkett.com
	Denver Showroom	1520 Market Street Denver, CO 80202	Ofc.: 303/741-0051 Fax: 303/741-0554 Ofc: 800/669-2750 Speed: 044		Coriander Martinez, Admin Assistant VM: 1503 Email: Coriander.Martinez@tarkett.com
	Houston Office	2400 Augusta Drive, Suite 182 Houston, TX 77057	Ofc.: 713/253-5342 Fax: 716/587-2096		Amy Pelaez, Houston Sales Assistant VM: 1545 Email: Amy.Pelaez@tarkett.com
449	**open**				
304	**PAUL BAKER**	Send mail to: 15511 Rambling River Way Cypress, TX 77433 Send samples to: 2400 Augusta Dr., Suite 182 Houston, TX 77057	VM: 1532 Fax: 866/713-0166 Mobile: 713/724-2812 Email: Paul.Baker@tarkett.com	Corporate/Retail Soft Surface & LVT	Houston
312	**EMILY BROWN**	1520 Market Street Denver, CO 80202	VM: 1535 Ofc.: 303/741-0051 Fax: 866/713-0167 Mobile: 720/838-4167 Email: Emily.Brown@tarkett.com	Corporate/Design/Education/ Government/Healthcare/Retail LVT	Colorado; Montana; Wyoming
120	**JOE CHANDLER**	13917 Villa Sandia Place NE Albuquerque, NM 87112	VM: 1513 Fax: 866/713-0168 Mobile: 505/459-0807 Email: Joe.Chandler@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	New Mexico, West Texas
122	**STEPHANIE FOSTER**	Send mail to: 5210 Weslayan Place-Unit B305 Houston, TX 77005 Send samples to: 2400 Augusta Dr., Suite 182 Houston, TX 77057	VM: 1537 Fax: 866/713-0171 Mobile: 281/702-5258 Email: Stephanie.Foster@tarkett.com	Education Soft Surface & LVT	Houston

SOUTHWEST REGION - 16
VOICE MAIL GROUP CODE 4023

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
121	**OPEN**		VM: 1505 Fax: 866/930-2672 Mobile: 312/282-6987 Email:	Corporate/Design/Education/ Government/Healthcare/Retail Soft Surface & LVT	Central Texas
445	**STEPHANIE GLINKA**	1519 B Hi Line Drive Dallas, TX 75207	VM: 1509 Fax: 866/713-0170 Mobile: 214/548-9602 Email: Stephanie.Glinka@tarkett.com	Corporate/Retail/Design LVT	Dallas, Ft. Worth, North & East Texas
164	**PAM HEITMAN**	1520 Market Street Denver, CO 80202	VM: 1517 Fax: 866/718-9556 Mobile: 303/249-1777 Email: Pam.Heitman@tarkett.com	Corporate/Design/Education/ Government/Healthcare/Retail LVT	Colorado; Montana; Wyoming
169	**MICHELLE LANCASTER**	1060 Ithaca Drive Boulder, CO 80305	VM: 1657 Fax: 866/748-7365 Mobile: 503/807-5089 Email: Michelle.Lancaster@tarkett.com	Senior Living; Hospitality & Lodging All Products	Colorado; Montana; Wyoming
116	**DEWEY MARKHAM**	2524 Pelican Bay Plano, TX 75093 Ship to: Tandus-Centiva-Dallas Showroom 1519 Suite B-HiLine Drive Dallas, TX 75207	VM: 1508 Ofc.: 214-290-9075 Fax: 866/713-0713 Mobile: 214/924-9688 Email: Dewey.Markham@tarkett.com	Healthcare/Government LVT	Dallas, Ft. Worth, North & East Texas
115	**BRUCE MCNABB**	1832 Morrish Lane Heath, TX 75032	VM: 1507 Fax: 866/718-8611 Mobile: 214/718-4608 Email: Bruce.McNabb@tarkett.com	Education Soft Surface & LVT	Dallas, Ft. Worth, North & East Texas
123	**open**		VM: 1534	Design Soft Surface & LVT	Houston
114	**CARISSA NEWCOMB**	5216 NW 124th Oklahoma City, OK 73142	VM: 1504 Fax: 866/718-9023 Mobile: 405/615-7278 Email: Carissa.Newcomb@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Oklahoma
113	**JEFF NEWMAN**	1214 Briar Ridge Dr Houston, TX 77057	VM: 1506 Fax: 866/718-9029 Mobile: 713/824-4812 Email: Jeff.Newman@tarkett.com	Education Soft Surface & LVT	Houston
229	**BRIAN PEITZMEIER**	6282 S. Jericho Way Centennial, CO 80016	Mobile: 720/308-5925 Email: Brian.Peitzmeier@tarkett.com	All Segments LVT	Colorado; Montana; Wyoming
450	**KAREN PERUCKI**	11527 Canyon Bend Drive Tomball, TX 77377	VM: 1540 Fax: 866/718-9032 Mobile: 832/367-5109 Email: Karen.Perucki@tarkett.com	Government/Healthcare Soft Surface & LVT	Houston

SOUTHWEST REGION - 16
VOICE MAIL GROUP CODE 4023

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
117	**BROOK SCHMALZ**	1519 B Hi Line Drive Dallas, TX 75207	VM: 1519 Fax: 866-718-9554 Mobile: 214-288-7447 Email: Brook.Schmalz@tarkett.com	Corporate/Retail/Design LVT	Dallas, Ft. Worth, North & East Texas
124	**EVELYN SMITH**	3737 Whitt Loop Austin, TX 78749	Mobile: 512/638-0147 Email: Evelyn.Smith@tarkett.com	Corporate/Design/Education/ Government/Healthcare/Retail Soft Surface & LVT	Central Texas
112	**DAN TUNSTALL**	8909 Stambourne St Austin, TX 89858	Mobile: 512/539-6079 Email: Dan.Tunstall@tarkett.com	Corporate/Design/Education/ Government/Healthcare/Retail Soft Surface & LVT	Central Texas
217 Agent	**CHARLENE UMBERGER**	3900 Austin Avenue Waco, TX 76710	Mobile: 254/744-3860 Email: cu@the9thdivision.com	All Segments LVT	Dallas; Forth Worth-North; East and West Texas

PACIFIC REGION - 18
VOICE MAIL GROUP CODE 4026

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
131	**BRETT HART**	Suite 150 750 Battery Street San Francisco, CA 94111	VM: 1650 Ofc.: 415/986-3564 Fax: 866/765-2895 Mobile: 801/300-3694 Email: Brett.Hart@tarkett.com		Pacific Regional Vice President **AK, CA, ID, NV, OR, UT, WA**
	San Francisco Showroom	Suite 150 750 Battery Street San Francisco, CA 94111	Ofc.: 415/986-3564 Fax: 415/986-2303 Speed: 019		VM: 1651 Julie Sensibile Sales Assistant- San Francisco 510/329-7468 Email: Julie.Sensibile@tarkett.com Cecy Ponce Sales Assistant-Pacific Region VM: 1615 Email: Cecy.Ponce@tarkett.com
231	**NICK DI BENEDETTO**	6868 Cherry Ridge Cir. Roseville, CA 95678	Mobile: 415/606-9260 Email: Nick.DiBenedetto@tarkett.com	All Segments LVT	California; Nevada counties: Douglas, Lyon, Storey, Washoe
233	**KATE KANDELL**	1041 Hemlock Street Lake Oswego, OR 97034	Mobile: 503/467-6500 Email: Kate.Kandell@tarkett.com	Oregon - LVT and Soft Surface Alaska- LVT ONLY	Alaska; Oregon;
327	**DAVID LILIENTHAL**	4863 Mildred Dr. Fremont, CA 94536	Mobile: 510-396-3135 Email: David.Lilienthal@tarkett.com VM: 1672	Design Soft Surface & LVT	California counties: San Francisco, Marin, Alameda, Contra Costa, Santa Cruz, Sonoma, San Mateo, Napa, Santa Clara, Monterey San Luis Obispo
328	**BRIAN MALONEY**	750 Battery Street Suite 150 San Francisco, CA 94111	VM: 1673 Mobile: 415-265-0515 Email: Brian.Maloney@tarkett.com	Design Soft Surface & LVT	California counties: San Francisco, Marin, Alameda, Contra Costa Santa Cruz, Sonoma, San Mateo, Napa, Santa Clara, Monterey San Luis Obispo
153	**DREW MCALISTER**	Suite 150 750 Battery Street San Francisco, CA 94111	VM: 1656 Fax: 866/765-2686 Mobile: 925/785-1530 Email: Drew.McAlister@tarkett.com	Education/Government/ Healthcare Soft Surface & LVT	San Francisco Bay Area, Central Valley CMAS
154	**MICHAEL MILHOUS**	11050 Tanglewood Drive Auburn, CA 95603	VM: 1658 Fax: 866/765-2839 Mobile: 916/806-8502 Email: Michael.Milhous@tarkett.com	Corporate/Education/ Government/Healthcare Soft Surface & LVT	California conties: Alpine, Amador, Butte, Calaveras, Colusa, El Dorado, Fresno, Glenn, Kings, Lake Lassen, Madera, Mariposa Merced, Modoc, Mono, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, Yuba Nevada Counties: Carson, Washoe
165	**TRACY RIDDLE**	4337 So. Main Street Murray, UT 84107	VM: 1518 Fax: 866/861-7522 Mobile: 801/580-5147 Email: Tracy.Riddle@tarkett.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Utah; Idaho except Benewah, Bonner, Boundary, Clearwater, Kootenai, Latah, Lewis, Nez Perce, Shoshone counties

PACIFIC REGION - 18
VOICE MAIL GROUP CODE 4026

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
333	**HEIDI SADLER**	809 Laurel Way Edmonds, WA 98020	VM: 1659 Fax: 866/748-7358 Mobile: 206/459-6654 Email: Heidi.Sadler@tarkett.com	Design/Corporate/Retail	Washington
320	**TONYA SHARMA**	2298 Vineyard Heights Lane Oakland, CA 94566	Email: Tonya.Sharma@tarkett.com Mobile: 925-404-4143	Education/Government/ Healthcare Soft Surface & LVT	San Francisco Bay Area, Central Valley CMAS
322	**NICK THEILEMANN**	200 Bean Creek Rd Apt C Scotts Valley, CA 95066	Mobile: 831-461-5704 Email: Nick.Theilemann@tarkett.com Fax: 866-930-5595	Design Soft Surface & LVT	California counties: San Francisco, Marin, Alameda, Contra Costa Santa Cruz, Sonoma, San Mateo, Napa, Santa Clara, Monterey San Luis Obispo
171	**GARY TINGEY**	21707 SE 5 PL Sammamish, WA 98074	VM: 1604 Fax: 866/748-7374 Mobile: 425/417-9886 Email: Gary.Tingey@tarkett.com	Healthcare/Higher Ed/ Government Soft Surface & LVT	Washington
251	**LAURA TUNGSETH**	4337 So. Main Street Murray, UT 84107	VM: 1670 Fax: 866/845-9557 Mobile: 385/290-9409 Email: Laura.Tungseth@tarkett.com	Design/Education/Healthcare Soft Surface & LVT	Utah; Idaho except Benewah, Bonner, Boundary, Clearwater, Kootenai, Latah, Lewis, Nez Perce, Shoshone counties
168 Agent	**DENNIS TURNBULL**	13228 SE 30th C-8 Bellevue, WA 98005	VM: 1652 Ofc.: 425/641-1958 Ofc.: 425/641-1209 Fax: 866/765-2892 Mobile: 206/295-3862 Speed: 018 Dennis.Turnbull@tarkett.com	Education Corporate/Education/ Government/Healthcare/Retail	Washington; Idaho counties Benewah, Bonner, Boundary, Clearwater, Kootenai, Latah, Lewis, Nez Pearce, Shoshone Alaska
324	**MEREDITH WYLIE**	750 Battery Street Suite 150 San Francisco, CA 94111	Mobile: 650-814-2176 Email: Meredith.Wylie@tarkett.com VM: 1664	Corporate/Retail/Design Soft Surface & LVT	California counties: San Francisco, Marin, Alameda, Contra Costa Santa Cruz, Sonoma, San Mateo, Napa, Santa Clara, Monterey San Luis Obispo

WESTERN REGION - 19
VOICE MAIL GROUP CODE 4153

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
325	**DON CHUPIK**	200 Sandpointe Ave., Suite 110 Santa Ana, CA 92707	VM: 1600 Ofc.: 714/966-3541 Fax: 866/718-9561 Mobile: 714/743-7210 Don.Chupik@tarkett.com		West Regional Vice President **AZ, CA, HI, NV**
	Santa Ana Office	200 Sandpointe Ave., Suite 110 Santa Ana, CA 92707	Ofc.: 714/966-3540 Fax: 714/966-3558		Kira Johannessen, Administrative Assistant VM: 1601 Phone: 714-966-3540 Email: Kira.Johannessen@tarkett.com Yolanda Barnett, Sales Assistant-West Region Phone: 714/966-3546 Fax: 714/966-3559 VM 1628 Email: Yolanda.Barnett@tarkett.com
	Los Angeles Showroom	5968 Washington Boulevard Culver City, CA 90232	Ofc.: 310/841-4180 Fax: 310/841-4199		Monica Hernandez, Showroom Manager VM: 1602 Phone: 310-841-4180 Email: Monica.Hernandez@tarkett.com
334	**HOPE QUINTANAR-CASE**	6529 Canyon Route Court Las Vegas, NV 89148	VM: 1674 Mobile: 702-250-4366 Email: Hope.Case@tarkett.com	Hospitality, Gaming	Nevada
335	**PATTI CRUSE**	3202 North 63rd Place Scottsdale, AZ 85251	VM: 1671 Fax: 866/748-7382 Mobile: 602/377-8331 Email: Patti.Cruse@tarkett.com	Corporate/Retail/Design Soft Surface & LVT	Arizona; Nevada: Clark County
134	**DAVID DWYER**	Send mail to: 1832 E Campbell Avenue Phoenix, AZ 85016 **NOTE:** Bulk Sample Delivery: David Dwyer, Tandus-AllState Self Storage 4747 N. 16th St. #225 Phoenix, AZ 85016	VM: 1609 Fax: 866/748-7361 Mobile: 480/326-7554 Email: David.Dwyer@tarkett.com	Education/Government/ Healthcare Soft Surface & LVT	Arizona; Nevada: Clark County
193	**NICOLE GEMMA**	4919 Beverly Blvd. Apt 5 Los Angeles, CA 90004	Email: Nicole.Gemma@tarkett.com	Hospitality	CA counties: Imperial,Kern,Los Angeles,Orange, Riverside,San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Ventura
329	**LESLIE FONCE**	Send mail to: 113 24th Place Manhattan Beach, CA 90266 Send samples to: 5968 Washington Boulevard Culver City, CA 90232	VM: 1662 Fax: 866/765-2897 Mobile: 310/962-6937 Email: Leslie.Fonce@tarkett.com	Design Corporate/Retail Soft Surface & LVT	California county: Los Angeles California counties: Los Angeles, Santa Barbara, Ventura
340	**KASEY GOOD SMITH**	Send mail to: 4045 Vineland Avenue #103 Studio City, CA 91604 Send samples to: 5968 Washington Boulevard Culver City, CA 90232	VM: 1661 Fax: 866/765-2896 Mobile: 310/280-8748 Email: Kasey.Good@tarkett.com	Design	California counties: Los Angeles, Santa Barbara, Ventura

WESTERN REGION - 19
VOICE MAIL GROUP CODE 4153

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
339	**ANTHIA KAPPOS**	5968 Washington Boulevard Culver City, CA 90232	VM: 1655 Fax: 866/856-6036 Mobile: 626/710-6066 Email: Anthia.Kappos@tarkett.com	Design Corporate/Retail Soft Surface & LVT	California county: Los Angeles California counties: Los Angeles, Santa Barbara, Ventura
132	**LORI KELEHER**	6101 East Benmore St. Long Beach, CA 90815	VM: 1603 Fax: 866/858-1854 Mobile: 310/463-4218 Email: Lori.Keleher@tarkett.com	Government Higher Education Healthcare Corporate/Retail Soft Surface & LVT	CA Counties: Inyo, Kern, Los Angeles, Santa Barbara, Ventura CA Counties: Kern, Los Angeles, Santa Barbara, Ventura CA Counties: Kern, Los Angeles, Santa Barbara, Venture, San Luis Obispo, Ventura Selected Accounts
135	**JENNIFER KRIECH**	7060 Sitio Caliente Carlsbad, CA 92009	VM: 1612 Fax: 866/861-7521 Mobile: 619/204-7024 Email: Jennifer.Kriech@tarkett.com	Education/Government Soft Surface & LVT	California counties: San Diego, Imperial
138 Agent	**STEVE LOUIE**	Louie Concepts 92-1543 Aliinui Drive 4-H Kapolei, HI 96707-2225	VM: 1614 Mobile: 808/271-9231 Email: steve@louieconcepts.com	Corporate/Education/ Government/Healthcare/Retail Soft Surface & LVT	Hawaii
140	**ANGELA LUMAYE**	6020 Sea Bluff Drive #221 Playa Vista, CA 90094-2259	VM:1613 Fax: 866/748-7380 Mobile: 310/736-8011 Email: Angela.Lumaye@tarkett.com	Education Design Accounts Design Soft Surface & LVT	Calif counties: Los Angeles, Orange, San Bernardino, Riverside California county: Kern
230	**CRISTINA NILES**	7303 N 14th Street Unit 7 Phoenix, AZ 85020	Mobile: 480-665-6235 Email: Christina.Niles@tarkett.com Fax: 866-617-5049	All Segments Soft Surface, LVT and Hospitality	Arizona, Nevada (soft/LVT only): Churchill, Clark, Elko, Esmeralda, Eureka, Humbolc Lander, Lincoln, Mineral, Nye, Pershing, White Pine, Carson City
338	**RICH NUDO**	10447 Whitcomb Way, Unit 161 San Diego, CA 92127	VM: 1667 Fax: 866/861-7519 Mobile: 619/990-8945 Email: Rich.Nudo@tarkett.com	Corporate/Design/H'Care/Edu Corporate/Retail Soft Surface & LVT	California counties: Imperial, San Diego Palm Desert, CA
232	**Open**			All Segments Soft Surface & LVT All Segments Soft Surface & LVT	California counties: Imperial, Los Angeles, Orange, Riverside, San Bernadino, San Di Santa Barbara, Ventura California counties: Imperial, Los Angeles, Orange, Riverside, San Bernadino, San Di Santa Barbara, Ventura
234	**MEG SIMS**	43 Corona Avenue Long Beach, CA 90803	Mobile: 562-519-0708 Email: Meg.Sims@tarkett.com Ext: 1665	LVT Specialists	Southern California counties:
137	**DAN SPEAR**	18934 E. Smiley Drive Orange, CA 92869	VM: 1618 Fax: 866/765-2890 Mobile: 714/812-6696 Email: Dan.Spear@tarkett.com	Healthcare Government/Higher Ed Soft Surface & LVT	Calif counties: Orange, Riverside, San Bernardino, Kaiser in Los Angeles, Orange, Riverside, San Bernardino Calif counties: Orange, Riverside, San Bernardino
330	**AMY STARNES**	200 Sandpointe Ave., Suite 110 Santa Ana, CA 92707	VM: 1663 Mobile: 949/554-4150 Email: Amy.Starnes@tarkett.com	Corporate/Retail/Design Soft Surface & LVT	California counties: Orange, Riverside, San Bernardino Long Beach, CA
133	**JACK VOMBAUR**	201 E. Las Palmas Drive Fullerton, CA 92835	VM: 1605 Fax: 866/765-2893 Mobile: 714/803-9545 Email: Jack.Vombaur@tarkett.com	Education/Select Government Accounts Soft Surface & LVT	Los Angeles, Kern, Orange, Ventura, Santa Barbara, San Luis Obispo; Riverside and San Bernardino counties north of Highway 74

CANADA REGION - 55

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
570	**WILLIAM POTALIVO**	2820 Argentia Road Unit #5 Mississauga, ON L5N 8G4	VM: 8800 Ofc.: 905/542-0229 Ext 23 Mobile: 416/200-4010 Email: William.Potalivo@tarkett.com		Vice President Sales **NOVA SCOTIA/PRINCE EDWARD ISLAND/NEWFOUNDLAND** **NEW BRUNSWICK/QUEBEC/MANITOBA/SASKATCHEWAN** **BRITISH COLUMBIA/ALBERTA/ONTARIO** Monica Chydzinski, Office Mgr VM: 8830 Ofc.: 905/542-0229 Ext 0 Email: Monica.Chydzinski@tarkett.com
EASTERN CANADA					
560	**SYLVIE GAGNON**	1902, rue Andre Laval, QC H7M 2X2	VM: 8808 Ofc.: 450/669-1689 Fax: 450/669-1689 Mobile: 514/914-1902 Email: Sylvie.Gagnon@tarkett.com	All Segments Dealer Specialist Soft Surface & LVT	Quebec
553	**SUZANNE GUINARD**	1970 Des Grebes Apartment 5 Laval, QC H7L 0G8	VM: 8807 Fax: 450/934-0975 Mobile: 514/984-5818 Email: Suzanne.Guinard@tarkett.com	All Segments A&D Specialist Soft Surface & LVT	Quebec
558	**DEBBIE PALMER**	90 Huckleberry Lane Truro, NS B2N 6K2	VM: 8811 Fax: 902/895-2584 Mobile: 902/220-9024 Email: Debbie.Palmer@tarkett.com	All Segments Soft Surface & LVT	New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland
CENTRAL CANADA					
572	**TESSA BAIN**	2820 Argentia Road Unit #5 Mississauga, ON L5N 8G4	VM: 8820 Mobile: 416/770-2319 Email: Tessa.Bain@tarkett.com	Design Soft Surface & LVT	Greater Toronto Area
574	**JULIE CHARRON**	1214 Ramsay Concession 12 Almonte, ON K0A 1A0	VM: 8839 Ofc.: 613/256-3506 Fax: 613/834-2744 Mobile: 613/292-9727 Email: Julie.Charron@tarkett.com	All Segments Soft Surface & LVT	Ottawa, Kingston, Northern Ontario
571	**GREG GIBBONS**	47 Walkerbrae Trail Guelph, ON N1H 6L4	VM: 8802 Ofc.: 416/200-4014 Fax: 519/836-1051 Mobile: 416/200-4014 Email: Greg.Gibbons@tarkett.com	All Segments Higher Education Specialist Corporate Account Specialist Soft Surface & LVT	Western Ontario, Eastern Ontario, Greater Toronto Area
238	**LEONA HARVIE**	28 Hawthorne Lane Aurora, OH L4G 3K7	VM: 8828 Mobile: 905/713-4123 Email: Leona.Harvie@tarkett.com	Design	Greater Toronto Area

CANADA - REGION 55

CENTRAL CANADA

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
581	**THOMAS JACKSON**	6455 Road 15 Listowel, ON N4W 3G8	VM: 8810 Mobile: 416/768-8939 Email: Thomas.Jackson@tarkett.com	Design Soft Surface & LVT	Greater Toronto Area
577	**JEFF JOSIAK**	2820 Argentia Road Unit #5 Mississauga, ON L5N 8G4 Send custom samples to: 2106 Gary Cres. Burlington, ON L7R 1T2	VM: 8816 Ofc.: 905/542-0229 Ext 24 Mobile: 416/200-8537 Email: Jeff.Josiak@tarkett.com	All Segments K-12 Specialist Healthcare Specialist Soft Surface & LVT	Mississauga
600	**KAREN KOWAL**	Send mail to: 5 Olivers Lane Caledon East, ON L7C 1G5 Send samples to: 2820 Argentia Road Unit #5 Mississauga, ON L5N 8G4	VM: 8825 Mobile: 416/605-9550 Email: Karen.Kowal@tarkett.com	Corporate/Government Soft Surface & LVT	Greater Toronto Area
583	**JENNIFER KREYSSIG**	89 Helena Avenue Toronto, ON M6G 2H3	VM: 8826 Mobile: 416/428-1658 Email: Jennifer.Kreyssig@tarkett.com	Corporate	Greater Toronto Area

WESTERN CANADA

604	**MELISSA AYMONT**	8729 180 A Avenue NW Edmonton, AB T5Z 0G6	VM: 8805 Mobile: 780/499-9282 Email: Melissa.Aymont@tarkett.com	All Segments Soft Surface & LVT	Alberta, Edmonton, NW Territores+Nunavut
608	**BRIAN BENS**	109 Chaparral Ravine View SE Calgary, AB T2X 0A4	VM: 8837 Fax: 403/663-0598 Mobile: 403/542-4217 Email: Brian.Bens@tarkett.com	All Segments Dealer Specialist Soft Surface & LVT	Alberta (Calgary + Southern AB)
602	**STEPHEN HYNDES**	1613 Hemlock Place Port Moody, BC V3H 4A7	VM: 8823 Ofc.: 604/880-8025 Fax: 604/469-8718 Email: Stephen.Hyndes@tarkett.com	All Segments Soft Surface & LVT	British Columbia

CANADA - REGION 55

WESTERN CANADA

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
603	**NANSI MASSOUD**	Send mail to: Unit# 106-7455 Moffatt Road Richmond, BC V6Y 1X9 Send samples to: Pacific Coast Warehousing Ltd. 2351 Number 6 Rd Richmond, BC V6V 1P3	VM: 8804 Mobile: 778/231-0972 Nansi.Massoud@tarkett.com	All Segments Soft Surface & LVT	British Columbia
610	**MAUREEN PETRICK**	157 Hazel Dell Avenue Winnipeg, MB R2K 0P6	VM: 8838 Fax: 204/667-6123 Mobile: 204/795-1045 Email: Maureen.Petrick@tarkett.com	All Segments Soft Surface & LVT	Saskatchewan, Manitoba, City of Thunder Bay in Northern Ontario
606	**SANDIE ZOBELL**	200 Seagreen Way Chestermere, AB T1X 0G5	VM: 8836 Mobile: 403/836-5606 Email: Sandie.Zobell@tarkett.com	All Segments A&D Specialist Soft Surface & LVT	Alberta (Calgary + Southern AB)

SEGMENTS

Region 20

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
Dealer Development					
477	**TOM COOPER**	6234 Cottage Stream Lane Spring, TX 77379	Mobile: 832/603-7167 Email: Tom.Cooper@tarkett.com	Vice President, Dealer Development	
Global Accounts					
139	**RAY DUNN**	540 Chapman Lane Marietta, GA 30066	VM:1330 Fax: 706/281-2706 Mobile: 770/363-2849 Email: Ray.Dunn@tarkett.com	Vice President, Global Accounts	
Strategic Accounts					
	Kevin McGregor	5913 Knightwood Place, Chesterfield, VA 23832	Mobile: 202/591-6382 706/259-2155 Wanda Hill Email: Kevin.McGregor@tarkett.com	National Vice President, Tarkett Strategic Sales	
Corporate					
475	**TAL FEGAN** 1907 Lynn Circle Libertyville, IL 60048	Suite 501 444 N. Wells Street Chicago, IL 60654	VM : 1763 Fax: 866/598-1233 Mobile:224/500-7718 Email:Tal.Fegan@tarkett.com	Vice President, Corporate Strategic Accounts	Northern Plains and Canada
802	**TANYA OGDEN**	1098 Oakland Trace Atlanta, GA 30319	VM:2770 Ofc: 404-888-1828 Mobile:404/803-1083 Email: Tanya.Ogden@tarkett.com	Vice President, Corporate Strategic Accounts	Mid-South and Southeast Region
136	**CLAUDIA BUTTON**	2421 Enchantment Circle Henderson, NV 89074	VM:1770 Fax: 866/930-5591 Mobile:702/469-8626 Email: Claudia.Button@tarkett.com	Vice President, Corporate Strategic Accounts	Western and Pacific
501	**Danny Airhart**	3003 Macoma Avenue Pearland, TX 77581	VM: 1533 Mobile: 713/203-6834 Email: Danny.Airhart@tarkett.com	Vice President, Corporate Strategic Account Southwest Region	Southwest and Midwest
Education					
504	**KATHY KOHLER**	339 Surrey Drive Bonita, CA 91902	Mobile: 619/314-0278 Email: Kathy.Kohler@tarkett.com	VP Strategic Education	West and Pacific
470	**JONATHAN STANLEY**	39 Wedgewood Drive Greenville, SC 29609	VM:1757 Fax:866/930-5594 Mobile:864/434-3554 Email:Jonathan.Stanley@tarkett.com	Vice President, Education Strategic Accounts	Northeast and Mid Atlantic
471	**JOHN SUMLIN**	3006 Margaret Mitchell Court Atlanta, GA 30327	VM:2039 Fax:866/930-2766 Mobile:404/431-2131 Email: John.Sumlin@tarkett.com	Vice President, Education Strategic Accounts	Mid South and Southeast
500	**BROOKS TURNER**	3604 Capistrano Trail Austin, TX 78739	Mobile: 512/585-3779 Email: Brooks.Turner@tarkett.com	Vice President, Education Strategic Accounts	Southwest and Midwest
503				VP Education Strategic Accounts	Northern Plains and Canada
HEALTHCARE					
476	**JAMES BOURGEOIS**	19544 Arcadian Shores Ave. Baton Rouge, LA 70809	VM: 1520 Fax: 866/611-4534 Mobile: 225/205-4519 Email:James.Bourgeois@tarkett.com	Vice President, Healthcare Strategic Accounts	Mid-South and Southeast regions

SEGMENTS
Region 20

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
505	**MICHELLE SANJENIS HARPOLE**	1030 Double B Trail Dallas, TX 75078	Mobile: 214/471-7631 Email: Michelle.Harpole@tarkett.com	Vice President, Healthcare Strategic Accounts	Southwest and Midwest regions
499	**JIGNA SHAH**	1019 Prospect Ridge Boulevard Haddon Heights, NJ 08035	Mobile: 215/896-9508 Email: Jigna.Shah@tarkett.com	Vice President, Strategic Sales Healthcare	Northeast and Mid Atlantic
502	**LESLIE THOMPSON**	2800 Pasa Tiempo Dr. Brentwood, CA 94513	Mobile: 415-271-4985 Email: Leslie.Thompson@tarkett.com	VP Strategic Healthcare	West and Pacific
022	**open**				
061	**TERRI MEYERHOEFFER** **Samples/FedEx packages to:**	5044 Ventura Court Naples, FL 34109 Extra Space Storage, 10550 Goodlette Rd. N Unit 1130, Naples FL 34109	VM:1319 Fax: 866/930-2680 Mobile: 239/206-0362 Email: Terri.Meyerhoeffer@tarkett.com	Executive Consultant, Healthcare Strategic Accounts	
Government					
468	**BEN SAYLOR**	1052 Eliot Street Oceanside, CA 92057-2651	VM: 1669 Fax: 866/930-2767 Mobile: 760/310-0268 Email: Ben.Saylor@tarkett.com	Executive Consultant, Government Sales	
Retail					
474	**TOM MUCK**	330 Meadowview Lane Florence, AL 35633	VM: 1702 Mobile: 256/998-0203 Email: Tom.Muck@tarkett.com	Vice President, Retail Strategic Accounts	Western and Pacific
	KEVIN TIERNEY	19426 Brittany Creek Drive Spring, TX 77388	Mobile: 440/903-4340 Email: kevin.tierney@tarkett.com	VP Retail Northern Plains	Northern Plains and Canada

DESSO HOSPITALITY REGION - 21

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
172	**JOHN READER**	Mail to: 261 Minorca Beach Way #301 New Smyrna Beach, FL 32169	Mobile: 914/319-2868 Email: John.Reader@tarkett.com	Desso	Segment VP West and Pacific
173	**PETER LIPKIN**	Mail to: 332 Tidewater Circle Pawleys Island, SC 29585	Mobile: 973/464-0750 Email: Peter.Lipkin@tarkett.com	Desso	Segment VP Northern Plains and Canada
177	**SUE CLARK HEPLER**	**Mail to:** 6817 Forest Hills Plano, TX 75023 **Samples to:** 1519 Hi Line Dr Ste B Dallas, TX 75207	Mobile: 972/489.5387 Email: Sue.Hepler@tarkett.com	Desso	Southwest Region to include: TX, OK, LA, NM, CO, and AZ
194	**OPEN**				Mid-Atlantic
175	**DANA MILLER**	Mail to: 305 Anderwood Ridge Marietta, GA 30064	Mobile: 770/722-0588 Email: Dana.Miller@tarkett.com	Desso	Southeast Region - Georgia, Alabama, Tennessee
174	**CHRISTINE TOPF**	Mail to: 2040 North Sedgwick St Unit E Chicago, IL 60614	Mobile: 312/507-1470 Email: Christine.Topf@tarkett.com	Desso	Northern Plains Region - Chicago, St. Louis & Springfield, MO
176	**FRANCE VARIN**	Mail to: 734 Camino Lakes Circle Boca Raton, FL 33486	Mobile: 954/798-2422 Email: France.Varin@tarkett.com	Desso	Southeast Region-Florida
193				Desso	Western Region - Southern CA / L.A.
DESSO AGENTS					
186	**OPEN**			Desso - Agent	Pacific Region -Northern California
190	**MARTHA CHILDRESS**	Mail to: 1040 134th Avenue NE Bellevue, WA 98005	Mobile: 425/502-7131 Email: Martha_childress@comcast.net	Desso - Agent	Pacific Region -Northwest (WA/OR/Vancouver)
195	**SUSAN DAVIS (Sue Hepler)**	Mail to: 1905 Crooked Lane Austin, TX 78741	Mobile: 512/750-3020 Email: susan@susandavisds.com	Desso - Agent	Southwest Region- Central TX-
184	**OPEN**			Desso - Agent	Western Region- Orange County/Los Angeles
188	**LISA POWELL (Sue Hepler)**	Mail to: 14679 Midway Road, Suite 219 Dallas, TX 75001	Mobile: 972/757-8952 Email: lisa@lpdesignstudio.com	Desso - Agent	Southwest Region -Dallas - Specific Accounts with Sue Hepler
196	**NORA SAVAGE**	Mail to: 6076 Keith Street Burnaby,B.C V5J 3C9	ofc: 604.689.5784 Mobile 604/728/1201 Email: nsavage@telus.net	Desso	Western Canada

DDM Team and Territories

Region 25

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
478	**LIBBY GILLEN**	1519 B Hi Line Drive Dallas, TX 75207	312/282-6987 libby.gillen@tarkett.com	Sr. Director Design	
479	**THERESA DeVries**	3971 West 223rd Street Park, Ohio 44126	Mobile: 216/213-9885	Design Development Manager	Cleveland, Columbus, Pittsburgh, Detroit
484	**MARGIE BOSLEY**	2499 Peachtree Road NE #507 Atlanta, GA 30305	Mobile: 404/550-3644	Design Development Manager Region & LVT	Atlanta, Birmingham
493	**DANA CASTILLO**	56 Storm Street, 2nd Floor Tarrytown, NY 10591	Mobile: 347/758-0363	Design Development Manager	New York
480	**IVANA ROSICH**	175 N. Harbor Drive Apt 2113 Chicago, IL 60611-7874	Mobile: 773/318-0630 Email: Ivana.Rosich@tarkett.com	Director Design Development Region & Broadloom	Chicago, Milwaukee, Minneapolis Central Region
481	**ENZA SCIANNA**	5609 N Clark Street, Unit 3 Chicago, IL 60660	Mobile: Email: Enza.Scianna@Tarkett.com	Design Development Manager Region & Marketing	Chicago, St Louis
497	**EMMA MALTBA**	1265 Lange Court Fort Mill, SC 29715 **Sample address:** 1399 Tom HallSt. Unit C306 Ft. Mill, SC 29715	Mobile: 910-988-4167	Design Development Manager	South Carolina, North Carolina

Region 26

485	**MILLICENT McLANE**	5656 N. Central Expressway, #500 Dallas, TX 75206	Mobile: 214/783-1553 Fax: 440/708-9527 Email: Millicent.McLane@tarkett.com	Director, Design Region & Sales	Dallas, Houston, Austin
490	**OPEN**			Design Development Manager Region & CX2.0	Orange County, CA. San Diego, Phoenix
488	**LAURIE MALMGREN** **Ship Samples:**	28 Mandana Circle Oakland,CA 94610 750 Battery Street Ste 150 San Francisco, CA 94111-1552	Mobile: 510/504-3446 Email: Laurie.Malmgren@tarkett.com	Design Development Manager Region & Workplace	San Francisco, Sacramento
498	**HEATHER ROGERS**	2118 Stacy Knoll Houston, TX 77008	Mobile: 713/679-0807	Design Development Manager, Region & Education K-12	Houston
486	**SHANNA ROSS**	10625 24th Street S.E. Lake Stevens, WA 98258	Mobile: 206/245-8387 Email: Shanna.Ross@tarkett.com	Design Development Manager Region & Modular Tile	Seattle, Vancouver
489	**JANET WILHELM**	1567 South Sherman Street Denver, CO 80210	Mobile: 303/815-9013 Email: Janet.Wilhelm@tarkett.com	Design Development Manager Region & Healthcare	Denver, Salt Lake City
487	**ELLEN WREN**	3244 North Knoll Drive Los Angeles, CA 90068	Mobile: 213/842-0158 Fax: 323/876-3802 Email: Ellen.Wren@tarkett.com	Design Development Manager Region & R & D	Los Angeles, Las Vegas

DDM Team and Territories
Region 27

SLS #	NAME	ADDRESS	CONTACT INFORMATION	SEGMENT	TERRITORY
			Region 27		
491	**ROXANE SPEARS**	103 High Street Stoneham, MA 02180	Mobile: 781/258-2837 Fax: 440/708-9518 Email: Roxane.Spears@tarkett.com	Director, Design Region &Tech Creative	New England, Boston
495	**HEATHER ANN HUGHES**	310 Jasper Court Warrington, PA 18976	Mobile: 215/237-1000 Email: Heather.Hughes@tarkett.com	Design Development Manager	Philadelphia and Baltimore
496	**LAURI LADKI**	15051 Royal Oaks Lane Apt 2101 North Miami, FL 33181	Mobile: 786/910-2631 Email: Lauri.Ladki@tarkett.com	Design Development Manager Region & Rubber/Vinyl	Miami, Orlando
492	**KAREN LEVEY-LYNCH**	430 North Central Avenue Ramsey, NJ 07446	Mobile: 917/797-5697 Fax: 440/708-9569 Email: Karen.Levey-Lynch@tarkett.com	Design Development Manager Region & K-12	New York City, New Jersey
483	**JACKIE PASSARO**	20622 Muddy Harbor Square Potomac Falls VA 20165	Mobile: 703/919-4751 Email: Jackie.Passaro@tarkett.com	Design Development Manager Region & Sr. Living	DC, Richmond
493					
494	**JANET SAYERS**	100 Western Battery Road #1507 Toronto, Ontario M6K 3S2	Mobile: 647/542-2514 Email: Janet.Sayers@tarkett.com	Design Development Manager Region & Higher Education	Toronto, Ottawa

CRADLE TO CRADLE

PRODUCTS

INNOVATION

INSTITUTE

LICENSED MARKS:

***Cradle to Cradle Certified*™ Silver**

THE LICENSED MARKS IDENTIFIED ABOVE MAY BE LICENSED TO:

Tandus Centiva, a Tarkett Company

FOR THE BELOW LISTED CERTIFIED PRODUCTS ASSOCIATED WITH THE NAME:

Tandus Centiva ethos®

Cradle to Cradle Products Innovation Institute

ISSUE DATE
27 April 2017

CERTIFICATION #
3128

EXPIRATION DATE
26 April 2019

LEAD ASSESSMENT BODY:
EPEA GmbH

EPEA

Only the following products are considered Certified Product(s) within the scope of this certification and the associated Trademark License Agreement:

Tandus Centiva ethos®
Styles: ethos® Modular with Omnicoat Technology™, Powerbond® ethos® cushion and Powerbond® ethos® cushion RS

Certified under Version 3.1 of the *Cradle to Cradle Certified*™ Product Standard
Use of Licensed Marks is subject to terms and conditions of the C2CPII Trademark License Agreement and Trademark Use Guidelines.
Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute

Certificate US14/841944

The management system of

Tarkett USA Florence East

1701 Mars Hill Road,
Florence, AL, 35630, United States

has been assessed and certified as meeting the requirements of

ISO 9001:2008

For the following activities

The manufacture and distribution of vinyl tile.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization

This certificate is valid from 7 March 2016 until 15 September 2018 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 2 : 7 March 2016.
Certified since September 2010.

Authorized by

John Woodman
Senior Vice President SSC, North America
SGS Systems & Services Certification, a Division of SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

This certificate remains the property of SGS and shall be returned upon request

This document is issued by the Company subject to its General Conditions of Certification Services accessible at www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. The authenticity of this document may be verified at http://www.sgs.com/en/Our-Company/Certified-Client-Directories/Certified-Client-Directories.aspx. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate US14/841939

The management system of

Centiva by Tarkett

1701Mars Hill Road,
Florence, AL, 35630, United States

has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

The environmental management system as it applies to the manufacture of luxury vinyl flooring products for international markets.

Further clarifications regarding the scope of this certificate and the applicability of ISO 14001 : 2004 requirements may be obtained by consulting the organization

This certificate is valid from 26 November 2014 until 26 November 2017 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 1 : 26 November 2014. Certified since 26 November 2014.

Authorized by

John Woodman
Senior Vice President SSC, North America
SGS Systems & Services Certification, a Division of SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

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Certificate US14/841939

The management system of

Centiva by Tarkett

1701Mars Hill Road,
Florence, AL, 35630, United States

has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

The environmental management system as it applies to the manufacture of luxury vinyl flooring products for international markets.

Further clarifications regarding the scope of this certificate and the applicability of ISO 14001 : 2004 requirements may be obtained by consulting the organization

This certificate is valid from 26 November 2014 until 26 November 2017 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 1 : 26 November 2014. Certified since 26 November 2014.

Authorized by

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Certificate US14/841941

The management system of

Tandus Centiva

311 Smith Industrial Blvd,
Dalton, GA, 30721, United States

has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

Commercial Flooring manufacturing (Fiber Extrusion, Yarn Handling, Tufting, Carpet Dye Process, Finishing and Recycling)

Further clarifications regarding the scope of this certificate and the applicability of ISO 14001:2004 requirements may be obtained by consulting the organization

This certificate is valid from 11 April 2015 until 11 April 2018 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 1 : 26 November 2014. Certified since 13 April 2009

This is a multi-site certification.
Additional site details are listed on subsequent pages.

Authorized by

John Woodman
Senior Vice President SSC, North America
SGS Systems & Services Certification, a Division of SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

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Tandus Centiva

ISO 14001:2004

Issue 1 : 26 November 2014

Additional facilities

Tandus Tufting Plant
311 Smith Industrial Blvd., Dalton, GA, 30721, United States

Tandus Finishing Plant
1000 Vista Drive., Dalton, GA, 30721, United States

Tandus Customer Service Center
1735 Cleveland Highway, Dalton, GA, 30721, United States

Tandus Yarn & Dye Plant
1210 Royal Drive, Dalton, GA, 30721, United States

Tandus Environmental Center
1104 Willowdale Road NE, Dalton, GA, 30721, United States

Tandus Sample Warehouse
1707 Cleveland Highway, Dalton, GA, 30721, United States

Tandus Extrusion Plant
246 Old Dalton Road, Calhoun, GA, 30701, United States

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Certificate US14/841940

The management system of

Centiva by Tarkett

1701Mars Hill Road,
Florence, AL, 35630, United States

has been assessed and certified as meeting the requirements of

OHSAS 18001:2007

For the following activities

The design, manufacture and distibution of vinyl tile.

This certificate is valid from 26 November 2014 until 26 November 2017
and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 1 : 26 November 2014.
Certified since 26 November 2014.

Authorized by

John Woodman
Senior Vice President SSC, North America

SGS Systems and Services Certification, a Division of SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t +1 201 508 3000 f +1 201 925 4555 www.us.sgs.com

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Appendix B:

PRODUCT / SERVICES SPECIFICATIONS

Offeror(s) must comply with all sections of requirements and submit in writing all answers for review and compliance to Region 4 ESC. Offeror(s) awarded a contract may offer their complete flooring product and service offering. Products and services may include, but not limited to:

1. **Carpet and Flooring Systems**
   Offeror shall provide verification that carpet meets the minimum recommendations of the Carpet and Rug Institute (CRI) and provide to TCPN participant upon request. All of our products meet CRI Green Label Plus criteria
   See Attached – Certificates

2. **Luxury Vinyl Flooring Systems (LVT)**
   Offeror shall provide LVT flooring systems such as laminate, rubber, linoleum, etc.
   Agreed

3. **Compliance with Laws**
   All services, drawings, specifications and installations will be rendered in compliance with applicable federal, state, and local statutes, regulations, rules, ordinances, directives, purchase order(s) and codes, including but not by way of limitation, the Fair Labor Standards Act, the Occupational Safety and Health Act (OSHA) and the Americans with Disabilities Act. Vendor agrees to advise Participating Agencies when work is expected to be hazardous to students, teachers, employees, administrators, the public and or other workers.
   Agreed

4. **Manufacturer Safety Data Sheets (MSDS)**
   All materials used at the worksite shall have the necessary MSDS papers on file in a location accessible to both the Vendor and the Participating Agency.
   All forms can be found directly at www.tandus-centiva.com or we can provide as requested.

5. **Indoor Air Quality**
   Floor coverings, adhesives and padding for this Contract must have a very low negative impact on the quality of air in an enclosed building. Products labeled “Green Label Plus” by the Carpet & Rug Institute (CRI) shall be identified by proof
   of certification.
   See Attached - Certificates

6. **Authorized Installers**
   All installation of Commercial Floor Covering products offered through this Contract must be performed by a properly licensed and bonded (when necessary) installer authorized by the manufacturer. All installers authorized by the manufacturer must be in good standing with the state and its political subdivisions. Any formal debarment of a manufacturer or

installer in the past five years by any Federal, State or local government must be disclosed.
Agreed

7. **Installation and Clean Up**
   Product shall be installed as specified by the manufacturer. Clean up will be on a daily basis and the worksite will be returned to its original and safe condition upon completion of the work, free of rubbish, wrappings, debris, trimmings, soda cans, and other peripheral trash.
   All services thru will be completed as required through our Source One Department.
8. **Acceptance of Completion**
   Terms for acceptance and title to the work must be clearly agreed upon and described in the Contract between the Participating Agency and the Contractor prior to the start of the work. Any work that requires the Participating Agency to assume control prior to completion shall be defined in writing. Both parties must agree on the definition of what constitutes final acceptance before final payment.
   Agreed

9. **Order Fulfillment**
   Manufacturers may perform as a single source or work through a dealer/installer for Participating Agencies in the purchase and installation of floor coverings. Although the manufacturer may utilize authorized dealers/installers to provide floor covering, accessories and other related installation services to Participating Agencies, the Contract will be between Region 4 ESC and the manufacturer. The manufacturer will be required to control the installations and add or change installers, as needed. All Participating Agency purchase orders shall be sent to one address indicated per the manufacturer; invoices and payments must be sent to the manufacturer's address. Participating Agencies shall thereby not directly issue purchase orders or payment with an independent installer/dealer.
   Agreed - Our Source One services Department will direct and manage turn-key installations as required.

STANDARD COMMERCIAL CARPET SPECIFICATIONS

Region 4 is seeking proposals from manufacturers whose product lines will meet or exceed the following specifications. These specifications are used to establish a baseline for Offerors to meet, Participating Agencies may have different specification requirements. Offeror(s) must include one representative actual manufacturer specifications and warranty statements for each carpet type. The successful offeror(s) must make available all specifications and warranty statements to any Participating Agency requesting them. Region 4 ESC reserves the right to request all manufacturer specifications and warranty information prior to award.

FIBER

Bulk Continuous Filament, Nylon, Type 6 or 6.6 100% Solution dyed or Yarn dyed Modification ratio of 2.1 or less

Durable stain inhibitor should be applied to the fiber during product manufacturing to resist fiber staining and soiling.

Recycled content preferred

Initial: Minimum 500 ppm Fluorine per CRI TM-102
After two hot water extractions per AATCC 171:
Minimum 400 ppm Fluorine per CRI TM-102

See enclosed representative specifications

BACKING

Backings must be for commercial use only, unless a Participating Agency requests otherwise. Examples and/or testimonials may be requested by Region 4 ESC.

. See enclosed representative specifications

FACE CONSTRUCTION

1/10-gauge minimum

See enclosed representative specifications

Warranty

Provide warranty length (years) for each type of product; listed below.
Lifetime warranties are not acceptable unless they are transferable.

See Attached

INSTALLATION

Offeror (s) will provide installation services as required by each agency.
Outline and describe your installation capabilities.

See attached installation instructions

ANTIMICROBIAL/PRESERVATIVE TREATMENTS

Permanently incorporated in backing and effective against a broad spectrum of molds, mildew, bacteria and odor-causing microorganisms and meet AATCC method 174 parts II and III for antimicrobial effectiveness and shows no bacterial or mold growth when tested per ASTM E2471 Standard Test Method.

Tandus Centiva chooses not to add antimicrobial treatments to our products, consistent with sound environmental practice, discourages the introduction of unnecessary additional chemicals and pesticides to the indoor environment. The synthetic components in our floorcoverings do not provide a nutrient source for bacteria and fungi growth. The use of antimicrobial treatments are not needed and are of no benefit where proper maintenance is performed and in any case are rendered ineffective by the lack of proper cleaning. We have an environmental responsibility to avoid the addition of unnecessary chemicals to our customers' environments or to the natural environment, simply to be able to make a marketing claim. All antimicrobials are EPA registered pesticides. Many antimicrobial treatments are not permanent. Topical antimicrobial treatments and/or water-soluble agents are often removed by traffic, washed off, or depleted by other transfer means. The US Centers for Disease Control and Prevention (CDC) has conducted an exhaustive review of literature specific to the incorporation of antimicrobial agents into articles such as carpet and other consumer products. CDC found no epidemiological evidence to substantiate claims of health benefits from the use of such products. (Guidelines for Environmental Infection Control in Health Care Facilities, December 2003.) CDC has also expressed concern with regard to the overuse of antimicrobials and the potential for the development of resistant bacterial strains. ("Campaign to Prevent Antimicrobial Resistance in Healthcare Settings" www.cdc.gov) Under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as administered by the US Environmental Protection Agency (EPA), any claims of health benefits from carpets with antimicrobial treatments must be supported by data submitted to EPA as

part of the registration process for treated articles. To date, no carpet products have been registered in this manner. It is therefore prohibited under FIFRA for any current manufacturer to claim or imply a health benefit for carpets with antimicrobial treatments. (US EPA "Pesticides: Topical and Chemical Fact Sheets" www.epa.gov)

SPECIFICATIONS FOR STANDARD SOFT SURFACE TYPES

Offerors should describe the sustainable attributes of products available including but not limited to recycled fiber, recycled backing, overall recycled content, percentage of post-consumer content, carbon neutrality, no glue.

TYPE 1: CARBON NEUTRAL MODULAR CARPET

TARR RATING: Severe
CONSTRUCTION: Tufted Loop and/or Cut
Loop DYE METHOD: 100 Solution Dyed
DYELOTS: Mergeable
YARN: Type 6 or 6.6 nylon with modification ratio of 2.1 or less
PRODUCTION YARN WEIGHT: Maximum 22 ounces
PRODUCTION GAUGE: Minimum 1/10
BACKING: Fiberglass Reinforced
Thermoplastic INSTALLATION: Glue Free
ELECTROSTATIC PROPENSITY: Less than 3.5 KV Rating – permanent conductive fiber FLAMMABILITY: ASTM E – 648 Flooring Radiant Panel – Class 1
ASTM E – 662 NBS Smoke Chamber – less than 450

Representative specification: Grid Overlay II all Backings

TYPE 2: CARBON NEUTRAL PERFORMANCE BROADLOOM

TARR RATING: Severe
CONSTRUCTION: Tufted Loop and/or Cut
Loop DYE METHOD: 100% Solution Dyed
YARN: Type 6 or 6.6 nylon with modification ratio of 2.1 or less PRODUCTION YARN WEIGHT: Maximum 22 ounces PRODUCTION GAUGE: Minimum 1/10
BACKING: Fiberglass reinforced thermoplastic
INSTALLATION: Glue free/Solvent free
ELECTROSTATIC PROPENSITY: Less than 3.5 KV Rating – permanent conductive fiber FLAMMABILITY: ASTM E - 648 Flooring Radiant Panel – Class
ASTM E - 662 NBS Smoke Chamber – less than 450

Representative specification: Impulse with Superlok, Ergostep, and Lifelong backings

SUSTAINABLE SPECIFICATIONS

Region 4 ESC is seeking proposals from manufacturers whose product lines will meet or exceed the following environmental specifications. Offeror must include one

representative actual manufacturer specifications and warranty statements for each carpet type. The Contractor(s) must make available all specifications and warranty at a Participating Agency's request. Region 4 ESC reserves the right to request all manufacture specifications and warranty information prior to award.

ENVIRONMENTALLY PREFERABLE PRODUCT

A. Carpet must carry an Environmentally Preferable Product (EPP) product label and be certified as Gold or Platinum/EPP per the Sustainable Carpet Assessment Standard (SCAS) NSF-140. Product certification must be conducted by an independent, third party organization such as Scientific Certification Systems. Products carrying EPP carpet labels will be given higher preference than those carrying an EPP label for the fiber only.

We have a selection of recycled content backings that are NSF140 Gold or Platinum/EPP per the Sustainable Carpet Assessment Standard. All results are certified by a third party organization, Scientific Global Systems. Certification Documents Attached
They Include the following backings:

ER3 Modular - Platinum
ethos Modular – Platinum
Flex-Aire Modular – Gold
Powerbond Cushion – Gold
ethos Powerbond Cushion – Platinum

B. Carpet must carry an Environmentally Preferable Product (EPP) product label and be certified as California Gold or Platinum per the California Gold Sustainable Carpet Standard. Product certification must be conducted by an independent, third party organization such as Scientific Certification Systems.

The current EPP classifications replaced the California Gold or Platinum per the California Gold Sustainable Carpet Standard.

YARN

BCF Nylon Type 6 or 6.6, 100% Solution or yarn Dyed with modification ratio of 1.5.

Durable stain inhibitor should be applied to the fiber during product manufacturing to resist fiber staining and soiling. Initial: Minimum 500 ppm Fluorine per CRI TM-102 After two hot water extractions per AATCC 171: Minimum 400 ppm Fluorine per CRI TM-102

BACKING

Backings must be for commercial use only. Backing technology and components must have been in commercial use for past five years prior to bid. Examples and/or testimonials may be requested by TCPN.

YARN CONSTRUCTION

1/10-gauge

minimum

WARRANTY

Warranty must identify. Zippering, delamination, edge ravel, excessive wear and loss of resiliency: All warranties must be specified for a specific period of time and be non-prorated. Lifetime warranties are not acceptable unless they are transferable. Manufacturer to provide a written warranty that 100% of carpeting returned to manufacturer for recycling will be recycled and that no portion of the carpet will be land

filled or incinerated.

INSTALLATION

All installation methods are not considered part of the product backing or construction, even when a unique method of “non-wet”, “peel & stick” or “pre-applied” adhesives are utilized. No carpeting may be attached to the floor with a hook tape system or school white glue. Installation method must be clearly defined with installation guidelines submitted with bid.

See Attached - Installation

ANTIMICROBIAL TREATMENTS

Must pass ASTM E 2471. Any anti-microbial “in” or “on” products or those used in the installation of material must be disclosed.

RECYCLED CONTENT

A. Product must contain a minimum of 30% recycled content by weight. This percentage is calculated by dividing the weight of recycled content in one square yard of finished carpet by the total weight of one square yard of finished carpet, and multiplying by 100. [(Recycle Content Weight) / (Total Product Weight) x 100] per FTC Marketing Guides 16 C.F.R. § 260.7 (e)*. Additionally, product must contain a minimum of 25% recycled carpet by weight.

B. Recycled content must be certified by a neutral, independent, third party organization such as Scientific Certification Systems. Product must carry product label certifying overall recycled content (including post-industrial and post- consumer content). Report percentage of post-industrial and post-consumer recycled content as a percentage of total product weight and the source(s) of recycled content.

C. Describe products available with the highest percentage of post-consumer content.

See Attached - Certificates

PRODUCT RECYCLABILITY AND RECYCLING

Outline your product recycling procedures in compliance with FTC guidelines.

See attached – Recycle Program

TYPE 3: CARBON NEUTRAL LUXURY VINYL TILE

PRODUCT CONSTRUCTION: High Performance Luxury Vinyl Tile CLASS/ASTM F 1700: Class lll

WEAR LAYER: 22 mil

TOTAL THICKNESS:

4.5mm

BACKING CLASS: Commercial Grade
FINISH: Ceramor Coating
DIMENSIONS: 25cm x 1 or 50cm by 50cm

PERFORMANCE

LLC SOUND RATING: (ASTM E492-09) 57 llC
SLIP RESISTANCE: (ASTM D2047) >.55 wet/dry, ADA
Compliant STATIC LOAD LIMIT: (ASTM F970) 1500 psi

**Guides for the Use of Environmental Marketing Claims,* 16 CFR Part 260, web site www.ftc.gov

FLEXIBILITY: (ASTM F137) Passes
RESISTANCE TO HEAT: (ASTM F1514) Passes
RESISTANCE TO LIGHT: (ASTM F1515) Passes
RADIANT FLUX: (ASTM E662) Passes, <450
SMOKE DENSITY: (ASTM F2055) Passes
THICKNESS: (ASTM F386) Passes
DIMENSIONAL STABILITY: (ASTM F1914) Passes
RESIDUAL INDENTATION: (ASTM F1914) Passes
RESISTANCE TO CHEMICALS: (ASTM F295) Passes

ENVIRONMENTAL

INDOOR AIR QUALITY: FloorScore/CDPH 01350 Certified for low VOC emissions
MATERIAL COMPOSITION: Free or Ortho Phthalates, Added Formaldehyde and Heavy Metal
INGREDIENTS & LIFE CYCLE IMPACTS: Environmental Product Declaration
CARBON FOOTPRINT: 3rd Party Verified Carbon Neutral
SUSTAINABIITY ASSESSMENT: NSF/ANSI 332, Meets Certification Guidelines
LEEDV4: CONTRIBUTES TO IEQ: Low Emitting Materials; M&R: EPD and EPR
END OF LIFE: Fully Recyclable LVT to Carpet Tile Backing

Representative specification: Contour LVT

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

13X Predyed Nylon with Polyurethane Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: ErgoBlok, ErgoBlok +

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: March 9, 2016
Expiration Date: March 31, 2018

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS
Indoor Air Quality Testing Program
carpet-rug.org

GLP0033

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

17X Predyed Nylon with PVC Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: ER3® Modular RS / Conserv® Modular

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: March 9, 2004
Expiration Date: March 31, 2018

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP1366

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

ISO/IEC 17065 Product Certification Body #0754

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

10X Predyed Nylon with SB Latex Unitary Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: Crossweave®

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: December 27, 2004
Expiration Date: March 31, 2018

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP1828

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

14X Predyed Nylon with Amorphous Resin Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: Desso EcoBase® Carpet Tiles and Desso EcoBase® SoundMaster® Carpet Tiles

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: February 29, 2016
Expiration Date: December 31, 2017

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP4703

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

17X Predyed Nylon with PVC Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: Flex-Aire® Cushion Modular RS

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: February 6, 2004
Expiration Date: March 31, 2018

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP6558

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

13X Predyed Nylon with Polyurethane Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: ErgoStep™ / CrossCushion™

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: November 17, 2004
Expiration Date: December 31, 2017

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS
Indoor Air Quality Testing Program
carpet-rug.org

GLP7544

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

36X Predyed Nylon with PVB Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: Powerbond® ethos® Cushion / ethos® Modular

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: October 15, 2007
Expiration Date: December 31, 2017

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP8320

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

GREEN LABEL PLUS

INDOOR AIR QUALITY TESTING PROGRAM

THIS CERTIFIES THAT

Tandus Centiva Inc.

Address: 311 Smith Industrial Blvd
Dalton, GA 30721-8661, United States

HAS MET THE REQUIREMENTS OF
THE CARPET AND RUG INSTITUTE'S GREEN
LABEL PLUS PROGRAM FOR CATEGORY:

17X Predyed Nylon with PVC Backing

Range of Total VOCs
0.5 mg/m³ or less

Certified Products: Powerbond® Cushion RS /Powerbond® Medfloor®

Joe W. Yarbrough, President
The Carpet and Rug Institute, Inc.

Certification Date: March 9, 2004
Expiration Date: December 31, 2017

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

THE CARPET AND RUG INSTITUTE, INC.
100 SOUTH HAMILTON STREET
DALTON GA 30720-4612 USA

GREEN LABEL +PLUS® Indoor Air Quality Testing Program carpet-rug.org

GLP9744

This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

A USGBC® recognized third party certification program for LEED v4 EQ Credit Low-Emitting Materials.

ANSI ACCREDITED

**ISO/IEC 17065
Product Certification Body
#0754**

Low-Emitting Materials

Certificate of Compliance

Awarded to: **TANDUS-CENTIVA, INC. OF DALTON, GA**

Category: Adhesives, Primers and Seam Sealers
Cert. Scheme: VOC Content

Compliance Designation: LEED 2009 and v4 ID&C and BD&C
South Coast Air Quality Management District Rule 1168

VOC content adhesives and sealants

Compliant Products:

RS Adhesive 354	15.6 grams/liter	RS Adhesive 319	<0.5 grams/liter
RS Adhesive 200	<0.5 grams/liter	B-19 Adhesive	<0.5 grams/liter
C-12 Adhesive	<0.5 grams/liter	C-14 Adhesive	31.2 grams/liter
C36 Adhesive	<0.5 grams/liter	C56 Primer	<0.5 grams/liter
C350 Adhesive	45.5 grams/liter	CEX Adhesive	<0.5 grams/liter
CTR Adhesive	<0.5 grams/liter	CXL Seam Sealer	<0.5 grams/liter

Test Date & Report No.: May 20, 2016
1600661

Certificate No.: MAS1600661

valid May 2016 thru May 2017

Technical Director

Emissions Group Manager

MAS CERTIFIED GREEN for a healthier indoor environment

A2LA ACCREDITED

Laboratory Testing by Materials Analytical Services, LLC – ISO/IEC 17025: 2015 certificate # 2925.01
3rd Party Product Certification by MAS Certified Green® - ISO/IEC 17065: 2016 certificate # 2925.02

3945 Lakefield Ct. · Suwanee, Ga. · 770-866-3206 · http://www.mascertifiedgreen.com/

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ER3® Modular Tile

This product meets all of the necessary qualifications to be certified for the following claim:

NSF/ANSI 140 Carpet - Platinum

Conforms to the NSF/ANSI 140-2013 Sustainability Assessment for Carpet

Registration # SCS-SCC-01373
Valid from: May 1, 2015 to April 30, 2018

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ER3® Modular with RS adhesive, 10-40 OSY yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 45% Recycled Content, with at least 20% Post-consumer content and the balance (25%) Pre-consumer content (dry weight basis)

MINIMUM 45% RECYCLED CONTENT
20% POST-CONSUMER
25% PRE-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02089
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ER3® Modular with RS adhesive and 15-23 OSY ECONYL® recycled content yarn

MINIMUM 65% RECYCLED CONTENT
32% POST CONSUMER
33% PRE-CONSUMER

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 65% Recycled Content with at least 32% Post-consumer Recycled Content and the balance 33% Pre-consumer Recycled Content (dry weight basis)

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02092
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® Cushion

This product meets all of the necessary qualifications to be certified for the following claim:

NSF/ANSI 140 Carpet - Gold

Conforms to the NSF/ANSI 140-2013 Sustainability Assessment for Carpet

Registration # SCS-SCC-02623
Valid from: May 1, 2015 to April 30, 2018

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® Cushion with RS adhesive 10-30 OSY yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 7% Post-consumer Recycled Content (dry weight basis)

MINIMUM 7% RECYCLED CONTENT
POST-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02633
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® Cushion with RS adhesive and 15-23 OSY ECONYL® recycled content yarn

MINIMUM 28% RECYCLED CONTENT
19% POST-CONSUMER
9% PRE-CONSUMER

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 28% Recycled Content with at least 19% Post-consumer Recycled Content and the balance 9% Pre-consumer Recycled Content (dry weight basis)

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02635
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® ethos® Cushion

This product meets all of the necessary qualifications to be certified for the following claim:

NSF/ANSI 140 Carpet - Platinum

Conforms to the NSF/ANSI 140-2013 Sustainability Assessment for Carpet

Registration # SCS-SCC-01376
Valid from: May 1, 2015 to April 30, 2018

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® ethos® with 15-23 OSY ECONYL® recycled content yarn

MINIMUM 68% RECYCLED CONTENT
58% POST-CONSUMER
10% PRE-CONSUMER

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 68% Recycled Content with at least 58% Post-consumer Recycled Content and the balance 10% Pre-consumer Recycled Content (dry weight basis)

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02098
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® Medfloor® with RS adhesive ans 15-23 OSY ECONYL® recycled content yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 28% Recycled Content with at least 19% Post-consumer Recycled Content and the balance 9% Pre-consumer Recycled Content (dry weight basis)

MINIMUM 28% RECYCLED CONTENT
19% POST-CONSUMER
9% PRE-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02638
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Powerbond® Medfloor® with RS adhesive 10-30 OSY yarn

MINIMUM 7% RECYCLED CONTENT
POST-CONSUMER

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 7% Post-consumer Recycled Content
(dry weight basis)

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02636
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Flex-Aire® Cushion Modular

This product meets all of the necessary qualifications to be certified for the following claim:

NSF/ ANSI 140 Carpet - Gold

Conforms to the NSF/ANSI 140-2013 Sustainability Assessment for Carpet

Registration # SCS-SCC-02763
Valid from: May 1, 2015 to April 30, 2018

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Flex-Aire® Cushion Modular with RS adhesive 10-40 OSY yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 21% Recycled Content with at least 5% Post-consumer Recycled Content and the balance 16% Pre-consumer Recycled Content (dry weight basis)

MINIMUM 21% RECYCLED CONTENT
5% POST-CONSUMER
16% PRE-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02102
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

Flex-Aire® Cushion Modular with RS adhesive and 15-23 OSY ECONYL® recycled content yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 38% Recycled Content with at least 13% Post-consumer Recycled Content and the balance 25% Pre-consumer Recycled Content (dry weight basis)

MINIMUM 38% RECYCLED CONTENT
13% POST-CONSUMER
25% PRE-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02103
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ethos® Modular Tile

This product meets all of the necessary qualifications to be certified for the following claim:

NSF/ ANSI 140 Carpet - Platinum

Conforms to the NSF/ANSI 140-2013 Sustainability Assessment for Carpet

Registration # SCS-SCC-01915
Valid from: May 1, 2015 to April 30, 2018

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ethos® Modular with 15-23 OSY ECONYL® recycled content yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 52% Recycled Content with at least 44% Post-consumer Recycled Content and the balance 8% Pre-consumer Recycled Content (dry weight basis)

MINIMUM 52% RECYCLED CONTENT
44% POST-CONSUMER
8% PRE-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02101
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tandus Centiva

311 Smith Industrial Boulevard, Box 1447, Dalton , GA, United States

For the following product(s):

ethos® Modular with 10-40 OSY yarn

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 27% Post-consumer Recycled Content

MINIMUM 27% RECYCLED CONTENT
POST-CONSUMER

Conforms to the SCS Recycled Content Standard V7-0

Registration # SCS-MC-02099
Valid from: April 1, 2015 to April 30, 2016

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

CERTIFICATE OF COMPLIANCE

Tandus Centiva

Victory Series Luxury Vinyl Tile

NSF/ANSI 332 - 2011 Gold - Sustainability Assessment for Resilient Floor Coverings
Standard

13CA40775	30864-4230	03/26/2012 - 11/26/2018
Project Number	Certificate Number	Certificate Period

Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

CERTIFICATE
OF COMPLIANCE

Tandus Centiva

Venue Series Luxury Vinyl Tile

Florence AL

NSF/ANSI 332 - 2012 Gold - Sustainability Assessment for Resilient Floor Coverings
Standard

4786413988	68311-4230	05/05/2015 - 11/26/2018
Project Number	Certificate Number	Certificate Period

Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

CERTIFICATE
OF COMPLIANCE

Tandus Centiva

Contour Series Luxury Vinyl Tile

NSF/ANSI 332 - 2011 Gold - Sustainability Assessment for Resilient Floor Coverings
Standard

13CA40775	30183-4230	03/26/2012 - 11/26/2018
Project Number	Certificate Number	Certificate Period

Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tarkett, Florence East

30000 Aurora Road, Solon, OH, United States

For the following product(s):

Vinyl Tile:

Venue Series: Venue Abstrack, Venue Stone, Venue Wood

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

FloorScore®

Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0

Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m^3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Registration # SCS-FS-03442

Valid from: July 1, 2017 to June 30, 2018

SCS Global Services is currently the only certification body approved by the Resilient Floor Covering Institute (RFCI) to provide FloorScore® product certification; certified products are only listed on the SCS Green Products Guide, http://www.scsglobalservices.com/certified-green-products-guide.

floor score

CERTIFIED BY SCS Global Services

ANSI

ANSI ACCREDITED PROGRAM
PRODUCT CERTIFICATION
#0821

SCSglobal SERVICES

Stanley Mathuram, PE, Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Tarkett, Florence East

30000 Aurora Road, Solon, OH, United States

For the following product(s):

See Addendum

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

FloorScore®

Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0

Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m^3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Registration # SCS-FS-01626

Valid from: July 1, 2017 to June 30, 2018

SCS Global Services is currently the only certification body approved by the Resilient Floor Covering Institute (RFCI) to provide FloorScore® product certification; certified products are only listed on the SCS Green Products Guide, http://www.scsglobalservices.com/certified-green-products-guide.

CERTIFIED BY SCS Global Services

ANSI ACCREDITED PROGRAM PRODUCT CERTIFICATION #0821

Stanley Mathuram, PE, Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Certification Addendum

Tarkett, Florence East

Certification: Registration # SCS-FS-01626 | Valid from: July 1, 2017 to June 30, 2018

SCS Global Services is currently the only certification body approved by the Resilient Floor Covering Institute (RFCI) to provide FloorScore® product certification; certified products are only listed on the SCS Green Products Guide, http://www.scsglobalservices.com/certified-green-products-guide.

Addendum **FloorScore®**

Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0

Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m^3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Products:

Vinyl Tile:

Contour 40 Mils Series;
Centiva on Snap-Lock;
Digital Print Film;
Collections Infinies™;
Contour Series: Antique Wood, Asphalt, C-Stamped, Catalona Stone, Concrete, Crossweave, Exotic Wood, Fossil Stone, Fusion, Grand Ash, Legacy Stone, Modern Stone, Modern Wood, Montage, NuGrain, Pancho, Porcelain, Rays, Sigma, Substrate;
Event Series: Classic Plank, Classic Stone, Heritage Plank, Quartzite, Slate, Travertine, Urban Stone, Crafted Plank, Striate
Indigenous Earth: Geogrid, Rust Rings, Solstice, Wildwood
Victory Series: Brites, Chroma, Coral Reef, Magics, Mineral Chip

Tandus | Centiva
A Tarkett Company

POWERBOND®
LIFETIME LIMITED WARRANTY

Powerbond styles with nylon face fiber are covered by a non-prorated Lifetime Limited Warranty issued by Tandus Centiva against excessive surface wear, edge ravel, zippering, resiliency loss of backing, and delamination of the secondary backing from the primary backing containing the face fiber. Lifetime is defined as the period of time during which the product is owned and maintained by the original end-use purchaser in the original indoor installation location. Tandus Centiva Powerbond products must be installed in accordance with the appropriate Powerbond Installation & Floor Preparation Instructions and must be maintained in accordance with Tandus Centiva care and maintenance guidelines. The use of Tandus Centiva primers, adhesives, and seam sealers or approved alternatives is required. Failure to conform to these requirements will result in loss of limited warranty coverage.

Moisture and pH testing requirements and limitations are defined in the Tandus Centiva Powerbond Installation & Floor Preparation Instructions for each Powerbond product. Product or installation failure due to moisture or pH levels in excess of the limits set forth in these instructions is specifically excluded from limited warranty coverage.

Chair pads are not required, but are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected. More intensive maintenance will also be required for product installed on stairs, and some degree of appearance change is to be expected.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Excessive surface wear means more than fifteen percent (15%) loss of pile fiber weight measured before and after use.

Resiliency loss means more than ten percent (10%) loss of backing resiliency calculated using average thickness measurements of the backing of the carpet before and after use. Since resiliency recovery is not immediate and may be influenced by temperature and other conditions, thickness must be measured only after a 72-hour conditioning period.

Powerbond products also carry a Lifetime Limited Warranty against excessive static electricity only when installed and maintained in accordance with Tandus Centiva approved procedures. Excessive static electricity means more than 3.0 kilovolts at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to meet the applicable Tandus Centiva limited warranty provisions. If repair is not commercially practical or possible, Tandus Centiva may, at its sole discretion, replace the affected area or refund the original Tandus Centiva invoice cost for the affected area. If repair or replacement is required, Tandus Centiva reserves the right to utilize an independent qualified labor provider or Tandus Centiva Field Technical personnel. Replacement will be made with a product of comparable cost from the current Tandus Centiva running line of products.

This limited warranty does not cover pile shading, pile crushing, tears, burns, cuts, pilling, matting, damage due to improper installation, improper use, improper maintenance, installation over irregular surfaces, point loads in excess of 150 pounds per square inch or any other damage not expressly covered above and is subject to the applicable Tandus Centiva product tolerances, which are available upon request. **This limited warranty does not cover damage resulting from improper installation or maintenance.** Liability of Tandus Centiva is limited to the actual repair or replacement of the affected area and does not cover incidental or consequential damages. Tandus Centiva is not responsible for any expenses incurred for removal of furniture, partitioning, temporary walls or other fixtures on or around the affected area of the carpet.

All Tandus Centiva Limited Warranty and Maintenance Information can be accessed at www.tandus-centiva.com or by dialing 800-248-2878.

THE BUYER AND/OR END USER IS SOLELY RESPONSIBLE FOR THE SUITABILITY OF THE MERCHANDISE SELECTED FOR A PARTICULAR APPLICATION. TANDUS CENTIVA SHALL NOT BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PRODUCTS DAMAGED AS A RESULT OF FORCE MAJEURE, INCLUDING BUT NOT LIMITED TO FIRE, FLOOD, OR OTHER CATASTROPHE, ACTS OF GOD, OR ANY CAUSE BEYOND THE CONTROL OF TANDUS CENTIVA.

ALL IMPLIED WARRANTIES WHICH MAY ARISE BY LAW, IMPLICATION OF LAW OR APPLICATION OF COURSE OF DEALING OR USAGE OF TRADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED AND EXCLUDED. ANY ORAL STATEMENTS ABOUT THE MERCHANDISE DESCRIBED HEREIN ARE NOT WARRANTIES, SHOULD NOT BE RELIED UPON BY THE BUYER, DO NOT FORM ANY PART OF THE BASIS OF THE BARGAIN, AND ARE NOT PART OF THIS OR ANY OTHER LIMITED WARRANTY. NO AGENT, DISTRIBUTOR OR REPRESENTATIVE OF TANDUS CENTIVA, EXCEPT AN OFFICER OF TANDUS CENTIVA, SHALL HAVE AUTHORITY TO AGREE TO ANY TERM, CONDITION OR PROVISION INCONSISTENT HEREWITH OR NOT CONTAINED HEREIN.

Invoice No. _____ Company Installed _____

Product(s) _____ Color _____

Tandus | Centiva
A Tarkett Company

MODULAR
LIFETIME LIMITED WARRANTY

Modular styles with nylon face fiber are covered by a non-prorated Lifetime Limited Warranty issued by Tandus Centiva against excessive surface wear, edge ravel, zippering, resiliency loss of backing, and delamination of the secondary backing from the primary backing containing the face fiber. Lifetime is defined as the period of time during which the product is owned and maintained by the original end-use purchaser in the original indoor installation location. Tandus Centiva Modular products must be installed in accordance with the appropriate Modular Installation & Floor Preparation Instructions and must be maintained in accordance with Tandus Centiva care and maintenance guidelines. The use of Tandus Centiva primers and adhesives or approved alternatives is required. Failure to conform to these requirements will result in loss of limited warranty coverage.

Moisture and pH testing requirements and limitations are defined in the Tandus Centiva Modular Installation & Floor Preparation Instructions for each Modular product. Product or installation failure due to moisture or pH levels in excess of the limits set forth in these instructions is specifically excluded from limited warranty coverage.

Chair pads are not required, but are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Excessive surface wear means more than fifteen percent (15%) loss of pile fiber weight measured before and after use.

Resiliency loss means more than ten percent (10%) loss of backing resiliency calculated using average thickness measurements of the backing of the carpet before and after use. Since resiliency recovery is not immediate and may be influenced by temperature and other conditions, thickness must be measured only after a 72-hour conditioning period.

Modular products also carry a Lifetime Limited Warranty against excessive static electricity only when installed and maintained in accordance with Tandus Centiva approved procedures. Excessive static electricity means more than 3.0 kilovolts at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to meet the applicable Tandus Centiva limited warranty provisions. If repair is not commercially practical or possible, Tandus Centiva may, at its sole discretion, replace the affected area or refund the original Tandus Centiva invoice cost for the affected area. If repair or replacement is required, Tandus Centiva reserves the right to utilize an independent qualified labor provider or Tandus Centiva Field Technical personnel. Replacement will be made with a product of comparable cost from the current Tandus Centiva running line of products.

This limited warranty does not cover pile shading, pile crushing, tears, burns, cuts, pilling, matting, damage due to improper installation, improper use, improper maintenance, installation over irregular surfaces, point loads in excess of 150 pounds per square inch or any other damage not expressly covered above and is subject to the applicable Tandus Centiva product tolerances, which are available upon request. **This limited warranty does not cover damage resulting from improper installation or maintenance.** Liability of Tandus Centiva is limited to the actual repair or replacement of the affected area and does not cover incidental or consequential damages. Tandus Centiva is not responsible for any expenses incurred for removal of furniture, partitioning, temporary walls or other fixtures on or around the affected area of the carpet.

All Tandus Centiva Limited Warranty and Maintenance Information can be accessed at www.tandus-centiva.com or by dialing 800-248-2878.

THE BUYER AND/OR END USER IS SOLELY RESPONSIBLE FOR THE SUITABILITY OF THE MERCHANDISE SELECTED FOR A PARTICULAR APPLICATION. TANDUS CENTIVA SHALL NOT BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PRODUCTS DAMAGED AS A RESULT OF FORCE MAJEURE, INCLUDING BUT NOT LIMITED TO FIRE, FLOOD, OR OTHER CATASTROPHE, ACTS OF GOD, OR ANY CAUSE BEYOND THE CONTROL OF TANDUS CENTIVA.

ALL IMPLIED WARRANTIES WHICH MAY ARISE BY LAW, IMPLICATION OF LAW OR APPLICATION OF COURSE OF DEALING OR USAGE OF TRADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED AND EXCLUDED. ANY ORAL STATEMENTS ABOUT THE MERCHANDISE DESCRIBED HEREIN ARE NOT WARRANTIES, SHOULD NOT BE RELIED UPON BY THE BUYER, DO NOT FORM ANY PART OF THE BASIS OF THE BARGAIN, AND ARE NOT PART OF THIS OR ANY OTHER LIMITED WARRANTY. NO AGENT, DISTRIBUTOR OR REPRESENTATIVE OF TANDUS CENTIVA, EXCEPT AN OFFICER OF TANDUS CENTIVA, SHALL HAVE AUTHORITY TO AGREE TO ANY TERM, CONDITION OR PROVISION INCONSISTENT HEREWITH OR NOT CONTAINED HEREIN.

Invoice No. _____ Company Installed _____

Product(s) _____ Color _____

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TANDUS CENTIVA COMMERCIAL LIMITED WARRANTY
Tandus Centiva Woven Products – Crossweave®

All Tandus Centiva woven products with Crossweave are covered by a limited warranty issued by Tandus Centiva against abrasive wear, edge ravel, zippering and excessive static electricity. This limited warranty applies only when properly installed on correctly prepared floors using Tandus Centiva approved procedures and adhesives and maintained in accordance with Tandus Centiva approved maintenance and cleaning procedures. This limited warranty coverage remains in effect only so long as the product is owned and maintained by the original end-use purchaser in the original installation location.

Chair pads are required for this warranty to be in full effect.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Broadloom Seam Sealer. The use of Tandus Centiva Broadloom Adhesive System for direct-glue and double stick installations, and Tandus Centiva Broadloom Seam Sealer for all types of installations, is required in order to maintain applicable limited warranty validation.

ABRASIVE WEAR
Tandus Centiva warrants that for fifteen (15) years from the date of installation, this carpet, when properly installed and maintained, will not lose more than fifteen percent (15%) of pile fiber weight measured before and after use. This limited warranty does not cover appearance retention, matting, crushing, or normal appearance changes in high traffic areas.

EDGE RAVEL
Tandus Centiva warrants that these products will not edge ravel under normal use for the life of the carpet. All seams must be properly sealed in accordance with CRI Installation Standard 104. Tufts or loops pulled from the body of the carpet or edges where seam adhesive has not been applied are not included in this limited warranty coverage.

ZIPPERING
Tandus Centiva warrants that these products will not zipper under normal use for the life of the carpet. All seams must be properly sealed in accordance with CRI Installation Standard 104. For the purposes of this warranty, zippering is defined as a pull or snag that results in a minimum of 3 continuous loops being pulled out of the carpet's backing.

STATIC PROTECTION
Tandus Centiva warrants that these products will not exhibit static electricity in excess of 3.5 kilovolts as measured by AATCC Test Method 134 at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit for the life of the carpet.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to conform to the limited warranty. The affected area(s) refers to the specific area(s) where failure has occurred and does not include the entire installation. If repair is not commercially practical, Tandus Centiva may, at its option, replace the affected carpet or refund the proportional purchase price for the affected area(s) during the first two (2) years of coverage. During this two (2) year period, Tandus Centiva will pay the costs of the carpet, reasonable freight, and labor. Thereafter, Tandus Centiva will pay only the costs of the carpet and reasonable freight. Tandus Centiva is not responsible for any expenses incurred for removal of furniture, partitioning, temporary walls or other fixtures on or around the affected area of the carpet.

This limited warranty does not cover pile shading, pile crushing, tears, burns, cuts, pilling, matting, damage due to improper installation, improper use, improper maintenance, installation over irregular surfaces, gauge consistency, carpet manufactured

on different production dates and joined together to form seams, point loads in excess of 150 pounds per square inch or any other damage not expressly covered above and is subject to the applicable Tandus Centiva product tolerances, which are available upon request. Carpet installed on stairs or in areas subject to abnormal foot-traffic use (i.e. golf spikes, other spiked footwear, ski boots, and the like) is excluded. **This limited warranty does not cover damage resulting from improper installation or maintenance.**

All Tandus Centiva Limited Warranty and Maintenance Information can be accessed at www.tandus-centiva.com or by dialing 800-248-2878.

THE BUYER AND/OR END USER IS SOLELY RESPONSIBLE FOR THE SUITABILITY OF THE MERCHANDISE SELECTED FOR A PARTICULAR APPLICATION.

TANDUS CENTIVA SHALL NOT BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PRODUCTS DAMAGED AS A RESULT OF FORCE MAJEURE, INCLUDING BUT NOT LIMITED TO FIRE, FLOOD, OR OTHER CATASTROPHE, ACTS OF GOD, OR ANY CAUSE BEYOND THE CONTROL OF TANDUS CENTIVA.

ALL IMPLIED WARRANTIES WHICH MAY ARISE BY LAW, IMPLICATION OF LAW OR APPLICATION OF COURSE OF DEALING OR USAGE OF TRADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED AND EXCLUDED. ANY ORAL STATEMENTS ABOUT THE MERCHANDISE DESCRIBED HEREIN ARE NOT WARRANTIES, SHOULD NOT BE RELIED UPON BY THE BUYER, DO NOT FORM ANY PART OF THE BASIS OF THE BARGAIN, AND ARE NOT PART OF THIS OR ANY OTHER LIMITED WARRANTY. NO AGENT, DISTRIBUTOR OR REPRESENTATIVE OF TANDUS CENTIVA, EXCEPT AN OFFICER OF TANDUS CENTIVA, SHALL HAVE AUTHORITY TO AGREE TO ANY TERM, CONDITION OR PROVISION INCONSISTENT HEREWITH OR NOT CONTAINED HEREIN.

Tandus Centiva
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TEN-YEAR COMMERCIAL LIMITED WARRANTY
Ergo-Blok Urethane Cushion

All Tandus Centiva products with Ergo-Blok Urethane Cushion are covered by a limited warranty issued by Tandus Centiva against excessive surface wear, edge ravel, failure to retain backing resiliency, delamination of the secondary backing from the primary backing containing the face fiber, and excessive static electricity for a period of ten (10) years from the date of manufacturer's invoice. This limited warranty applies only when properly installed on correctly prepared floors using Tandus Centiva approved procedures and adhesives and maintained in accordance with Tandus Centiva approved maintenance and cleaning procedures. This limited warranty ten (10) year coverage remains in effect only so long as the product is owned and maintained by the original end-use purchaser in the original installation location.

Chair pads are required for this warranty to be in full effect.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Seam Sealer. The use of the Tandus Centiva Broadloom Adhesive System and Tandus Centiva Broadloom Seam Sealer is required in order to maintain applicable limited warranty validation.

EXCESSIVE SURFACE WEAR
Excessive surface wear means more than fifteen percent (15%) loss of pile fiber weight measured before and after use. This limited warranty does not cover appearance retention, matting, crushing, or normal appearance changes in high traffic areas.

EDGE RAVEL
Tandus Centiva warrants that these products will not edge ravel under normal use. All seams must be properly sealed in accordance with CRI Installation Standard 104. Tufts or loops pulled from the body of the carpet or edges where seam adhesive has not been applied are not included in this limited warranty coverage.

BACKING RESILIENCY
Tandus Centiva warrants that these products will retain backing resiliency. Backing resiliency is determined using average thickness measurements of the backing of the carpet before and after use. Since resiliency recovery is not immediate and may be influenced by temperature and other conditions, thickness must be measured only after a 72-hour conditioning period.

DELAMINATION
Tandus Centiva warrants that the secondary backing of these products will not delaminate under normal use. Delamination is defined as any separation of the polyurethane pre-coat from the primary carpet backing, the polyurethane pre-coat from the foam laminating layer, or the foam laminating layer from the outer surface, over a single specific area, in any case where the separation exceeds one hundred (100) square inches.

STATIC PROTECTION
Tandus Centiva warrants that these products will not exhibit static electricity in excess of 3.5 kilovolts as measured by AATCC Test Method 134 at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to conform to the limited warranty. The affected area(s) refers to the specific area(s) where failure has occurred and does not include the entire installation. If repair is not commercially practical, Tandus Centiva may, at its option, replace the affected carpet or refund the proportional purchase price for the affected area(s) during the first two (2) years of coverage. During this two (2) year period, Tandus Centiva will pay the costs of the carpet, reasonable freight, and labor. Thereafter, Tandus Centiva will pay

only the costs of the carpet and reasonable freight. Tandus Centiva is not responsible for any expenses incurred for removal of furniture, partitioning, temporary walls or other fixtures on or around the affected area of the carpet.

This limited warranty does not cover pile shading, pile crushing, tears, burns, cuts, pilling, matting, damage due to improper installation, improper use, improper maintenance, installation over irregular surfaces, gauge consistency, carpet manufactured on different production dates and joined together to form seams, point loads in excess of 150 pounds per square inch or any other damage not expressly covered above and is subject to the applicable Tandus Centiva product tolerances, which are available upon request. Carpet installed on stairs or in areas subject to abnormal foot-traffic use (i.e. golf spikes, other spiked footwear, ski boots, and the like) is excluded. **This limited warranty does not cover damage resulting from improper installation or maintenance.**

Carpet must be adhered directly to the substrate utilizing the specified floor adhesive and remain adhered to the substrate during the duration of the Limited Warranty. It cannot be installed over existing carpet, cushion (either double glue or stretch in over pad), or Lok-Lift®. It cannot be loose laid or installed using a pressure sensitive adhesive.

All Tandus Centiva Limited Warranty and Maintenance Information can be accessed at www.tandus-centiva.com or by dialing 800-248-2878.

THE BUYER AND/OR END USER IS SOLELY RESPONSIBLE FOR THE SUITABILITY OF THE MERCHANDISE SELECTED FOR A PARTICULAR APPLICATION.

TANDUS CENTIVA SHALL NOT BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PRODUCTS DAMAGED AS A RESULT OF FORCE MAJEURE, INCLUDING BUT NOT LIMITED TO FIRE, FLOOD, OR OTHER CATASTROPHE, ACTS OF GOD, OR ANY CAUSE BEYOND THE CONTROL OF TANDUS CENTIVA.

ALL IMPLIED WARRANTIES WHICH MAY ARISE BY LAW, IMPLICATION OF LAW OR APPLICATION OF COURSE OF DEALING OR USAGE OF TRADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED AND EXCLUDED. ANY ORAL STATEMENTS ABOUT THE MERCHANDISE DESCRIBED HEREIN ARE NOT WARRANTIES, SHOULD NOT BE RELIED UPON BY THE BUYER, DO NOT FORM ANY PART OF THE BASIS OF THE BARGAIN, AND ARE NOT PART OF THIS OR ANY OTHER LIMITED WARRANTY. NO AGENT, DISTRIBUTOR OR REPRESENTATIVE OF TANDUS CENTIVA, EXCEPT AN OFFICER OF TANDUS CENTIVA, SHALL HAVE AUTHORITY TO AGREE TO ANY TERM, CONDITION OR PROVISION INCONSISTENT HEREWITH OR NOT CONTAINED HEREIN.

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TEN-YEAR COMMERCIAL LIMITED WARRANTY
ErgoStep Urethane Cushion with Enhancer® Technology

All Tandus Centiva products with ErgoStep Urethane Cushion are covered by a limited warranty issued by Tandus Centiva against excessive surface wear, edge ravel, failure to retain backing resiliency, delamination of the secondary backing from the primary backing containing the face fiber, and excessive static electricity for a period of ten (10) years from the date of manufacturer's invoice. This limited warranty applies only when properly installed on correctly prepared floors using Tandus Centiva approved procedures and adhesives and maintained in accordance with Tandus Centiva approved maintenance and cleaning procedures. This limited warranty ten (10) year coverage remains in effect only so long as the product is owned and maintained by the original end-use purchaser in the original installation location.

Chair pads are required for this warranty to be in full effect.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Seam Sealer. The use of Tandus Centiva Broadloom Adhesive System for direct-glue and double stick installations, and Tandus Centiva Broadloom Seam Sealer for all types of installations, is required in order to maintain applicable limited warranty validation.

EXCESSIVE SURFACE WEAR
Excessive surface wear means more than fifteen percent (15%) loss of pile fiber weight measured before and after use. This limited warranty does not cover appearance retention, matting, crushing, or normal appearance changes in high traffic areas.

EDGE RAVEL
Tandus Centiva warrants that these products will not edge ravel under normal use. All seams must be properly sealed in accordance with CRI Installation Standard 104. Tufts or loops pulled from the body of the carpet or edges where seam adhesive has not been applied are not included in this limited warranty coverage.

BACKING RESILIENCY
Tandus Centiva warrants that these products will retain backing resiliency. Backing resiliency is determined using average thickness measurements of the backing of the carpet before and after use. Since resiliency recovery is not immediate and may be influenced by temperature and other conditions, thickness must be measured only after a 72-hour conditioning period.

DELAMINATION
Tandus Centiva warrants that the secondary backing of these products will not delaminate under normal use. Delamination is defined as any separation of the polyurethane pre-coat from the primary carpet backing, the polyurethane pre-coat from the foam laminating layer, or the foam laminating layer from the outer surface, over a single specific area, in any case where the separation exceeds one hundred (100) square inches.

STATIC PROTECTION
Tandus Centiva warrants that these products will not exhibit static electricity in excess of 3.5 kilovolts as measured by AATCC Test Method 134 at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to conform to the limited warranty. The affected area(s) refers to the specific area(s) where failure has occurred and does not include the entire installation. If repair is not commercially practical, Tandus Centiva may, at its option, replace the affected carpet or refund the proportional purchase price for the affected area(s) during the first two (2) years of coverage. During this two (2) year

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TANDUS CENTIVA COMMERCIAL LIMITED WARRANTY
Tandus Centiva Woven Products – CrossCushion®

All Tandus Centiva woven products with CrossCushion are covered by a limited warranty issued by Tandus Centiva against abrasive wear, edge ravel, zippering, failure to retain backing resiliency, delamination of the secondary backing from the primary backing containing the face fiber, and excessive static electricity. This limited warranty applies only when properly installed on correctly prepared floors using Tandus Centiva approved procedures and adhesives and maintained in accordance with Tandus Centiva approved maintenance and cleaning procedures. This limited warranty coverage remains in effect only so long as the product is owned and maintained by the original end-use purchaser in the original installation location.

Chair pads are required for this warranty to be in full effect.

Soiling visibility is affected by colors and patterns. Information on optimizing your selection can be found at www.tandus-centiva.com. **Appearance retention is not covered by this limited warranty.**

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Broadloom Seam Sealer. The use of Tandus Centiva Broadloom Adhesive System for direct-glue and double stick installations, and Tandus Centiva Broadloom Seam Sealer for all types of installations, is required in order to maintain applicable limited warranty validation.

ABRASIVE WEAR
Tandus Centiva warrants that for fifteen (15) years from the date of installation, this carpet, when properly installed and maintained, will not lose more than fifteen percent (15%) of pile fiber weight measured before and after use. This limited warranty does not cover appearance retention, matting, crushing, or normal appearance changes in high traffic areas.

EDGE RAVEL
Tandus warrants that these products will not edge ravel under normal use for the life of the carpet. All seams must be properly sealed in accordance with CRI Installation Standard 104. Tufts or loops pulled from the body of the carpet or edges where seam adhesive has not been applied are not included in this limited warranty coverage.

ZIPPERING
Tandus Centiva warrants that these products will not zipper under normal use for the life of the carpet. All seams must be properly sealed in accordance with CRI Installation Standard 104. For the purposes of this warranty, zippering is defined as a pull or snag that results in a minimum of 3 continuous loops being pulled out of the carpet's backing.

BACKING RESILIENCY
Tandus Centiva warrants that these products will retain backing resiliency for a period of ten (10) years from the date of manufacturer's invoice. Backing resiliency is determined using average thickness measurements of the backing of the carpet before and after use. Since resiliency recovery is not immediate and may be influenced by temperature and other conditions, thickness must be measured only after a 72-hour conditioning period.

DELAMINATION
Tandus Centiva warrants that the secondary backing of these products will not delaminate under normal use for a period of ten (10) years from the date of manufacturer's invoice. Delamination is defined as any separation of the polyurethane pre-coat from the primary carpet backing, the polyurethane pre-coat from the foam laminating layer, or the foam laminating layer from the outer surface, over a single specific area, in any case where the separation exceeds one hundred (100) square inches.

STATIC PROTECTION
Tandus Centiva warrants that these products will not exhibit static electricity in excess of 3.5 kilovolts as measured by AATCC Test Method 134 at a relative humidity of 20% and a room temperature of 70 degrees Fahrenheit for the life of the carpet.

If these products fail to perform as described in this limited warranty, the affected area will be repaired to conform to the limited warranty. The affected area(s) refers to the specific area(s) where failure has occurred and does not include the entire installation. If repair is not commercially practical, Tandus Centiva may, at its option, replace the affected carpet or refund the proportional purchase price for the affected area(s) during the first two (2) years of coverage. During this two (2) year period, Tandus Centiva will pay the costs of the carpet, reasonable freight, and labor. Thereafter, Tandus Centiva will pay only the costs of the carpet and reasonable freight. Tandus Centiva is not responsible for any expenses incurred for removal of furniture, partitioning, temporary walls or other fixtures on or around the affected area of the carpet.

This limited warranty does not cover pile shading, pile crushing, tears, burns, cuts, pilling, matting, damage due to improper installation, improper use, improper maintenance, installation over irregular surfaces, gauge consistency, carpet manufactured on different production dates and joined together to form seams, point loads in excess of 150 pounds per square inch or any other damage not expressly covered above and is subject to the applicable Tandus Centiva product tolerances, which are available upon request. Carpet installed on stairs or in areas subject to abnormal foot-traffic use (i.e. golf spikes, other spiked footwear, ski boots, and the like) is excluded. **This limited warranty does not cover damage resulting from improper installation or maintenance.**

Carpet must be adhered directly to the substrate utilizing the Tandus Centiva Greenbond™ Adhesive System and remain adhered to the substrate during the duration of the Limited Warranty. Product cannot be installed over existing carpet, cushion (either double glue or stretch in over pad), or Lok-Lift®. Product cannot be loose laid or installed using a pressure sensitive adhesive.

All Tandus Centiva Limited Warranty and Maintenance Information can be accessed at www.tandus-centiva.com or by dialing 800-248-2878.

THE BUYER AND/OR END USER IS SOLELY RESPONSIBLE FOR THE SUITABILITY OF THE MERCHANDISE SELECTED FOR A PARTICULAR APPLICATION.

TANDUS CENTIVA SHALL NOT BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PRODUCTS DAMAGED AS A RESULT OF FORCE MAJEURE, INCLUDING BUT NOT LIMITED TO FIRE, FLOOD, OR OTHER CATASTROPHE, ACTS OF GOD, OR ANY CAUSE BEYOND THE CONTROL OF TANDUS CENTIVA.

ALL IMPLIED WARRANTIES WHICH MAY ARISE BY LAW, IMPLICATION OF LAW OR APPLICATION OF COURSE OF DEALING OR USAGE OF TRADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED AND EXCLUDED. ANY ORAL STATEMENTS ABOUT THE MERCHANDISE DESCRIBED HEREIN ARE NOT WARRANTIES, SHOULD NOT BE RELIED UPON BY THE BUYER, DO NOT FORM ANY PART OF THE BASIS OF THE BARGAIN, AND ARE NOT PART OF THIS OR ANY OTHER LIMITED WARRANTY. NO AGENT, DISTRIBUTOR OR REPRESENTATIVE OF TANDUS CENTIVA, EXCEPT AN OFFICER OF TANDUS CENTIVA, SHALL HAVE AUTHORITY TO AGREE TO ANY TERM, CONDITION OR PROVISION INCONSISTENT HEREWITH OR NOT CONTAINED HEREIN.

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Tandus Centiva 20 Year Non Prorated Limited Performance Warranty For LifeLong® Acrylic Polymeric Backing

The information herein explains the terms and conditions of the limited performance warranty which Tandus Centiva extends to initial purchasers and first end users.

Products Covered

Tandus Centiva will extend a limited performance warranty on all products which are first quality and have been properly installed in accordance with Tandus Centiva published guidelines, and those of the most recent CRI-104 "Standard for Installation of Commercial Carpet," and maintained in indoor commercial installations, and providing that these and the following specific conditions herein have been met.

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Seam Sealer. The use of Tandus Centiva Broadloom Adhesive System for direct-glue and double stick installations, and Tandus Centiva Broadloom Seam Sealer for all types of installations, is required in order to maintain applicable limited warranty validation.

Who is Covered

Only First Purchasers and First End Users of Tandus Centiva products qualify for this limited warranty. It cannot be transferred to subsequent owners.

Obligations of First Purchaser and/or First End User

Both the First Purchaser and/or First End User must comply in a timely manner with any reasonable requests from Tandus Centiva to confirm that products have been handled and installed as required to meet the terms and conditions of this warranty.

Warranty Remedies

If a qualifying Tandus Centiva product fails to perform as warranted, Tandus Centiva may, at its sole discretion, choose any one, or combination of, the following remedies:

1. Repair the affected area(s) at no charge.
2. Replace the affected area with product(s) of comparable color and quality.
3. Issue a full refund based on the original invoice or that portion of original invoice from Tandus Centiva, applicable to the affected area(s).

Labor Charges for Repair or Replacement

If Tandus Centiva elects to replace product under this warranty, Tandus Centiva will pay for reasonable labor and handling charges[1] associated with the repair or replacement of defective product in the affected area(s), provided that such a claim is registered within 20 years from the date of the original sales invoice. If such a claim is registered after 20 years from the date of original sales invoice, Tandus Centiva will not be responsible for any labor and handling charges.

Furniture Removal for Repair or Replacement

Tandus Centiva will not be responsible for costs incurred for furniture, equipment, or fixture removal, nor any other costs associated with clearing or reordering of the affected area(s) in conjunction with the repair or replacement of defective product.

Exclusions from the Warranty

- Damage caused by negligent or improper storage, handling or transportation.
- Failure to comply with CRI-104 and Tandus Centiva's installation, adhesive and floor preparation guidelines applicable to the specific type and pattern of product purchased.
- Damage or deterioration caused by improper site conditions that have not been adequately corrected per CRI-104 recommendations.

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- Normal tolerances that may cause products to vary slightly from approved samples.
- Inherent characteristics of carpet products which may affect product appearance, but do not affect performance, including, but not limited to, multiple dye lots, textural variations, side matching, roll marks, shedding, matting and crushing, highlighting and shading, watermarking or pooling, sprouting and tuft loss, ridging and rowing.
- Product installed with visible defects.
- Product installed without verifying proper color and style by the owner, occupant or designer.
- Failure to obtain pattern match.
- Tears, burns, cuts, pulls, or other damage, stain, loss of color or appearance caused either by abuse or inadequate or improper maintenance.
- Product that has been cleaned with the spin-bonnet rotary brush method.
- Ripping, buckling, raveling, stretching, and delamination of products installed by the Double Stick or Stretch-In Over Cushion method.
- Edge ravel where carpet abuts an uncarpeted area without molding or other protection.
- Product exposed to extreme indoor environmental conditions including, but not limited to laundry, toilet and wet areas, floods, direct sunlight and continuous and unprotected tracking of dirt and soil.
- Incidental damage caused by other trades, resulting from inadequate protection during construction or renovation.
- New Carpet Protection-the use of Plastic carpet protection products for post installation is not recommended. Tandus Centiva recommends non-staining building material paper and/or Masonite. Tandus Centiva absolves itself of any responsibility for damages or cost incurred by usage of post installation plastic protection products.
- Product installed on stairs, risers or nosing.

Use of Chair Pads

Chair pads are not required, but are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required, and some degree of appearance change is to be expected.

Limitations of Warranty

The foregoing is the complete warranty for Tandus Centiva products and supersedes all other warranties and representation, whether written or oral. Except as expressly set forth above, no other warranties are made with respect to Tandus Centiva products and Tandus Centiva expressly disclaims all warranties not stated herein, implied or expressed, including without limitation, any warranty of merchantability or fitness of its products for any particular purpose.

The obligation of Tandus Centiva under this limited warranty is limited solely to the repair, replacement and/or remuneration of purchase price of defective product, in part or whole based on original invoice amount to initial purchaser. In no event will Tandus Centiva be liable to the purchaser, or to any user of Tandus Centiva products, for any damages, expenses, lost revenues, lost savings, lost profits, or any other incidental or consequential damages arising from the purchase, use or inability to use Tandus Centiva products, even if Tandus Centiva has been advised of the possibility of such damages.

Backing	Installation Method	Warranty Coverage	Warranty Duration
LifeLong®	Direct Glue-Down Only	Defects in workmanship, materials and construction Delamination / Edge Ravel Loss of more than 10% of surface face fiber	1 year from date of invoice 20 Year Non Prorated Limited Warranty

[1]Reasonable labor and handling charges include standard and accepted local labor and materials handling charges. It shall not include overtime, storage, or any extraordinary cost of materials handling, including those covered under the term "the lift system," cranes, hoists or other such equipment.

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Revised 9/2016

Tandus Centiva Limited Performance Warranty for Carpets with Super-Lok® Backing

Backing	Installation Method	Warranty Coverage	Warranty Duration
Super-Lok®	Direct Glue-Down	Defects in workmanship, materials and construction	1 year from date of invoice
		Delamination and edge ravel	10 years from date of invoice
	Direct Glue-Down over Cushion ("Double Stick")	Loss of more than 10% of surface face fiber	10 years from date of invoice
	Stretch-In Over Cushion ("Conventional")		

The information herein explains the terms and conditions of the limited performance warranty which Tandus Centiva extends to initial purchasers and first end users.

Products Covered

Tandus Centiva will extend a limited performance warranty on all products which are first quality and have been properly installed in accordance with Tandus Centiva's published guidelines, and those of the most recent CRI-104 "Standard for Installation of Commercial Carpet," and maintained in indoor commercial installations, and providing that these and the following specific conditions herein have been met.

Who is Covered

Only First Purchasers and First End Users of Tandus Centiva products qualify for this limited warranty. It cannot be transferred to subsequent owners.

What is Covered

The coverage and duration of this limited warranty are specific and differ accordingly to the backing type and the installation method, as indicated in the schedule above.

Adhesive and Seam Sealer: In order to maintain applicable limited warranty validation for direct-glue and double stick installations, Tandus Centiva Greenbond™ B-19 Broadloom Adhesive System must be used to adhere the product directly to the correctly prepared substrate. Additionally, for all types of installations, all seams and unfinished edges must be sealed utilizing Tandus Centiva C-XL Seam Sealer. The use of Tandus Centiva Broadloom Adhesive System for direct-glue and double stick installations, and Tandus Centiva Broadloom Seam Sealer for all types of installations, is required in order to maintain applicable limited warranty validation.

Obligations of First Purchaser and/or First End User

Both the First Purchaser and/or First End User must comply in a timely manner with any reasonable requests from Tandus Centiva to confirm that products have been handled and installed as required to meet the terms and conditions of this warranty.

Warranty Remedies

If a qualifying Tandus Centiva product fails to perform as warranted, Tandus Centiva may, at its sole discretion, choose any one, or combination of, the following remedies:

1. Repair the affected area(s) at no charge.
2. Replace the affected area with product(s) of comparable color and quality.

3. Issue a full or prorated refund based on the original invoice or that portion of original invoice from Tandus Centiva, applicable to the affected area(s).

If Tandus Centiva elects to issue a refund for a claim honored after five years from the date of the original sales invoice, Tandus Centiva will issue a prorated refund based on the original invoice of the First Purchaser, not to exceed the following:

6th Year – 50% 8th Year – 30% 10th Year – 10%
7th Year – 40% 9th Year – 20%

Labor Charges for Repair or Replacement

If Tandus Centiva elects to replace product under this warranty, Tandus Centiva will pay for reasonable labor and handling charges[1] associated with the repair or replacement of defective product in the affected area(s), provided that such a claim is registered within 10 years from the date of the original sales invoice.

Furniture Removal for Repair or Replacement

Tandus Centiva will not be responsible for costs incurred for furniture, equipment, or fixture removal, nor any other costs associated with clearing or reordering of the affected area(s) in conjunction with the repair or replacement of defective product.

Exclusions from the Warranty

- Damage caused by negligent or improper storage, handling or transportation.
- Failure to comply with CRI-104 and Tandus Centiva's installation, adhesive and floor preparation guidelines applicable to the specific type and pattern of product purchased.
  Special Note: All seams must be sealed with approved seam sealer, or no claim for edge ravel or delamination will be considered.
- Damage or deterioration caused by improper site conditions which have not been adequately corrected per CRI-104 recommendations.
- Normal tolerances that may cause products to vary slightly from approved samples.
- Inherent characteristics of carpet products which may affect product appearance, but do not affect performance, including, but not limited to, multiple dye lots, textural variations, side matching, roll marks, shedding, matting and crushing, highlighting and shading, watermarking or pooling, sprouting and tuft loss, ridging and rowing.
- Product installed with visible defects.
- Product installed without verifying proper color and style by the owner, occupant or designer.
- Failure to obtain pattern match.
- Tears, burns, cuts, pulls, or other damage, stain, loss of color or appearance caused either by abuse or inadequate or improper maintenance.
- Product that has been cleaned with the spin-bonnet rotary brush method.
- Edge ravel where carpet abuts an uncarpeted area without molding or other protection.
- Product exposed to extreme indoor environmental conditions including, but not limited to laundry, toilet and wet areas, floods, direct sunlight and continuous and unprotected tracking of dirt and soil.
- Incidental damage caused by other trades, resulting from inadequate protection during construction or renovation.
- New Carpet Protection-the use of Plastic carpet protection products for post installation is not recommended. Tandus Centiva recommends non-staining building material paper and/or Masonite. Tandus Centiva absolves itself of any responsibility for damages or cost incurred by usage of post installation plastic protection products.
- Product installed on stairs, risers or nosing.

Use of Chair Pads

Tandus Centiva requires the use of pads under caster chairs to minimize matting, crushing (non-warranted appearance conditions) and to prevent premature delamination.

Limitations of Warranty

The foregoing is the complete warranty for Tandus Centiva products and supersedes all other warranties and representation, whether written or oral. Except as expressly set forth above, no other warranties are made with respect to Tandus Centiva products and Tandus Centiva expressly disclaims all warranties not stated herein, implied or expressed, including without limitation, any warranty of merchantability or fitness of its products for any particular purpose.

The obligation of Tandus Centiva under this limited warranty is limited solely to the repair, replacement and/or remuneration of purchase price of defective product, in part or whole based on original invoice amount to initial purchaser. In no event will Tandus Centiva be liable to the purchaser, or to any user of Tandus Centiva products, for any damages, expenses, lost revenues, lost savings, lost profits, or any other incidental or consequential damages arising from the purchase, use or inability to use Tandus Centiva products, even if Tandus Centiva has been advised of the possibility of such damages.

[1]Reasonable labor and handling charges include standard and accepted local labor and materials handling charges. It shall not include overtime, storage, or any extraordinary cost of materials handling, including those covered under the term "the lift system," cranes, hoists or other such equipment.

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COMMERCIAL PRODUCT WARRANTY

20 Year Limited Wear Warranty (Event, Contour & Victory products only)

Tandus Centiva US LLC warrants Tandus Centiva LVT tiles and floor planks against wear out for a period of 20 years provided the material is properly installed and maintained and used as intended and recommended. "Wear out" is defined as a complete removal wear layer/pattern/color due to wear from normal traffic and maintenance. If wear out occurs within 20 years of the date of purchase, Tandus Centiva will repair or provide replacement material.

THIS WARRANTY DOES NOT INCLUDE THE FOLLOWING:

1. Dissatisfaction due to improper installation, maintenance or irregularities caused by sub floor irregularities including installation over existing flooring.
2. Reduction in gloss due to use.
3. Damage due to stains, burns, cuts, gouges, scuffs, scratches, indentations and other accidents and/or abuse. Certain rubber backed mats or solvent based cleaners may cause discoloration.
4. Problems or damage due to moisture (including fungus discoloration), alkali or hydrostatic pressure in sub floor (vapor emissions are higher than 6 lbs/1000 sq. ft. or 75% relative humidity within 24 hours tested in accordance to ASTM standard guidelines or having higher than 9 pH).
5. Color shade variations from samples or printed illustrations compared to actual production runs.
6. Installation of flooring over particleboard, chip wood, Luan or pressboard.
7. Installation where material was not installed with Tandus Centiva LVT recommended adhesives in accordance with Tandus Centiva specification and recommended use.
8. Installation in temperature ranges other than those in accordance with Tandus Centiva LVT guidelines.

The moisture level from the concrete should not exceed 6.0 lbs/1000 sq. ft. (CC) or 75% relative humidity in a 24 hour time period.

Manufacturing Defects

Tandus Centiva US LLC warrants that its first line quality flooring material is free from manufacturing defects (workmanship and/or material) and will replace defective floor covering and reasonable installation costs for a period of up to one (1) year from the date of purchase. Tandus Centiva will not pay labor costs to repair or replace materials that were apparent before or at the time of installation. Inspection by an authorized Tandus Centiva representative may be necessary to verify that a manufacturing defect exists, or you may be requested to submit samples to the technical laboratory for analysis. Tandus Centiva will repair defective areas for a period of up to one (1) year from date of purchase. If replacement is required in accordance with this warranty and the defective material or pattern has been discontinued or unavailable, Tandus Centiva reserves the right to select and supply similar Tandus Centiva replacement material; otherwise the same material will be supplied for replacement purposes. Tandus Centiva will also pay reasonable labor costs. If a manufacturing defect is found, Tandus Centiva should be notified promptly.

Workmanship

Tandus Centiva does not warrant installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor.

This warrant is made solely to the original purchaser of Tandus Centiva first quality flooring material and is not transferable under any circumstances.This warranty is expressly in lieu of any other expressed warranty.No representative,employee,or agent of Tandus Centiva US LLC or any other person is authorized to assume for Centiva and additional liability or responsibility in connection with Tandus Centiva's floorcovering except as described above. Implied warranties or merchantability and fitness for a particular purpose are limited to a period of one (1) year from the date of purchase. In no event shall Tandus Centiva be liable for indirect, consequential or incidental damages of any kind.

Claims under this limited warranty must be made in written form and addressed to the following:

Tandus Centiva US LLC
311 Smith Industrial Blvd
PO Box 1447
Dalton, GA 30722-1447

Tandus Centiva US LLC reserves the right to update the standard procedures and specifications at any time.
For commercial and residential LVT maintenance instructions, please refer to the current LVT maintenance program sheets.

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COMMERCIAL PRODUCT WARRANTY

10 Year Limited Wear Warranty (Venue products only)

Tandus Centiva US LLC warrants Tandus Centiva LVT tiles and floor planks against wear out for a period of 10 years provided the material is properly installed and maintained and used as intended and recommended. "Wear out" is defined as a complete removal wear layer/pattern/color due to wear from normal traffic and maintenance. If wear out occurs within 10 years of the date of purchase, Tandus Centiva will repair or provide replacement material.

THIS WARRANTY DOES NOT INCLUDE THE FOLLOWING:

1. Dissatisfaction due to improper installation, maintenance or irregularities caused by sub floor irregularities including installation over existing flooring.
2. Reduction in gloss due to use.
3. Damage due to stains, burns, cuts, gouges, scuffs, scratches, indentations and other accidents and/or abuse. Certain rubber backed mats or solvent based cleaners may cause discoloration.
4. Problems or damage due to moisture (including fungus discoloration), alkali or hydrostatic pressure in sub floor (vapor emissions are higher than 6 lbs/1000 sq. ft. or 75% relative humidity within 24 hours tested in accordance to ASTM standard guidelines or having higher than 9 pH).
5. Color shade variations from samples or printed illustrations compared to actual production runs.
6. Installation of flooring over particleboard, chip wood, Luan or pressboard.
7. Installation where material was not installed with Tandus Centiva LVT recommended adhesives in accordance with Tandus Centiva specification and recommended use.
8. Installation in temperature ranges other than those in accordance with Tandus Centiva LVT guidelines.

The moisture level from the concrete should not exceed 6.0 lbs/1000 sq. ft. (CC) or 75% relative humidity in a 24 hour time period.

Manufacturing Defects

Tandus Centiva US LLC warrants that its first line quality flooring material is free from manufacturing defects (workmanship and/or material) and will replace defective floor covering and reasonable installation costs for a period of up to one (1) year from the date of purchase. Tandus Centiva will not pay labor costs to repair or replace materials that were apparent before or at the time of installation. Inspection by an authorized Tandus Centiva representative may be necessary to verify that a manufacturing defect exists, or you may be requested to submit samples to the technical laboratory for analysis. Tandus Centiva will repair defective areas for a period of up to one (1) year from date of purchase. If replacement is required in accordance with this warranty and the defective material or pattern has been discontinued or unavailable, Tandus Centiva reserves the right to select and supply similar Tandus Centiva replacement material; otherwise the same material will be supplied for replacement purposes. Tandus Centiva will also pay reasonable labor costs. If a manufacturing defect is found, Tandus Centiva should be notified promptly.

Workmanship

Tandus Centiva does not warrant installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor.

This warrant is made solely to the original purchaser of Tandus Centiva first quality flooring material and is not transferable under any circumstances.This warranty is expressly in lieu of any other expressed warranty.No representative,employee,or agent of Tandus Centiva US LLC or any other person is authorized to assume for Centiva and additional liability or responsibility in connection with Tandus Centiva's floorcovering except as described above. Implied warranties or merchantability and fitness for a particular purpose are limited to a period of one (1) year from the date of purchase. In no event shall Tandus Centiva be liable for indirect, consequential or incidental damages of any kind.

Claims under this limited warranty must be made in written form and addressed to the following:

Tandus Centiva US LLC
311 Smith Industrial Blvd
PO Box 1447
Dalton, GA 30722-1447

Tandus Centiva US LLC reserves the right to update the standard procedures and specifications at any time.
For commercial and residential LVT maintenance instructions, please refer to the current LVT maintenance program sheets.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 5/14/2014

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Form #12

ABRASIVE ACTION II ER3 MODULAR & POWERBOND MOISTURE AND ADHESIVE INSTALLATION REQUIREMENTS

General Notes
If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023, or 2670. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Moisture & pH-ER3 Modular
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva's ER3 Modular product, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using ER3 modular, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER for the ER3 Modular will revert to 3 lbs/24hr/1,000 sq ft** . Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Moisture & pH-Powerbond Cushion, Condensed, and ER3
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva Powerbond products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using Powerbond Cushion in conjunction with #54 Seam Weld or C-XL Water Based seam sealer, the maximum allowable MVER from the sub-floor is 10.0 pounds and the maximum allowable RH for concrete substrates is 90%. When using Powerbond Cushion and Powerbond Medfloor, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER for the Powerbond Cushion and Powerbond Medfloor will revert to 3 lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture or pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC system is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub-floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Conditions of Use
Abrasive Action II ER3 modular tile should not be used in areas where moisture intrusion from the surface would occur as a condition of usage. Entry areas, enclosed vestibules, and others areas subjected to frequent wet track in, snow walk off, or where any moisture intrusion can occur at the seams or sides of the tiles is not an acceptable application for Abrasive Action II ER3 Modular Tile. In applications where the above conditions exist Abrasive Action II Powerbond Cushion should be used and installed in accordance with the POWERBOND CUSHION INSTALLATION & FLOOR PREPARATION INSTRUCTIONS.*

Adhesive & Requirements
For interior applications subjected to normal usage and limited exposure to moisture from any external sources the applicable Tandus Centiva Adhesive for ER3 tile is C-14 or C-EX. C-EX may be used when a stronger bond to the floor is more desirable. ***Primer is not suggested to be used with C-EX Adhesive over new concrete.*** **C-TR is the only approved adhesive for use with Abrasive Action II modular or Abrasive Action II Powerbond in applications subjected to wet traffic or where the exposure to moisture from external sources exceeds the normal conditions of usage in an interior installation. C-TR must be troweled on with a 1/16 x 1/16 x 1/16 V notch trowel. If existing adhesive is present it must be removed so that only trace amounts are present before the application of either of these Tandus Centiva adhesives.**

If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023, and 2670.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 6/23/2014

Tandus | Centiva
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Form #011

CROSSWEAVE® & CrossCushion® INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Except for any differences as noted herein, all Tandus Centiva woven carpet is to be installed in accordance with the minimum standards set forth in CRI 104 Standard for Installation of Commercial Carpet. Copies are available at www.carpet-rug.org. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva does not require installers to be certified prior to performing the installation of woven products on actual jobsites; however, Installation Contractors who do not have a practical working knowledge of pattern carpet installation including pattern matching, straightening pattern lines, and the techniques of stretching and stay nailing should not attempt installing. Pattern carpet installation will require more time and skill than non-patterned styles.

Site Requirements
Tandus Centiva woven products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For all Tandus Centiva woven products, the maximum allowable moisture emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 *(Std. Test method for measuring Moisture Emission Rate of Concrete).* The required pH range must not exceed 9.0 as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170-02 *(Std. Test method for measuring Relative Humidity in Concrete).* This provides two measures of potential moisture issues. When using woven products, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3 lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture and pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will retard primer and adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. **Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted.** For additional information, please refer to the CRI 2009 104 Commercial Installation Standard. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use an oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use an oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation. Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cut back adhesive.

Installation Methods
Direct glue is the recommended method of installation for Tandus Centiva woven products. Double glue and stretch in methods are allowed but result in the loss of warranty coverage for delamination and edge ravel. Bubbles in the installation are not covered by the manufacturer warranty. Look for pile-lay (nap) indicators and always run the pile-lay (nap) in the same direction. Do not fold Crossweave carpet rolls. This can result in wrinkles in the face that are difficult to remove. Cuts on the face are a serious issue with Crossweave loop styles; therefore, never trim directly on the face. Use a loop pile cutter for edge trim and inspect the roll for flaws. Claims are not honored on installed material with visible flaws. **Use only Tandus Centiva adhesive and seam sealer on Tandus Centiva broadloom for warranty protection.**

Planning and Layout
A comprehensive seaming diagram should be prepared and approved by the purchaser before beginning the installation. Seam placement should run parallel with the main flow of traffic. Run the carpet lengthwise down corridors whenever possible. Follow the manufacturers suggested Laying Sequence and preplan where dye lot changes will fall. Always dry lay ahead, watching for irregularities in the pattern.

Seams
Crossweave woven carpet can be cut in both length and width without cutting through the surface loops. Before cutting, fold the carpet back to expose the row of backing. For 100% loop constructions, cut lengthwise between the rows from the face using a loop pile cutter. For alternating loop and cut, cut in the center of the cut pile row. For some high loop constructions it will be difficult to open the length row on the face. For these styles the alternate method is to follow the backing row from the back with a straight knife. Follow the row precisely; avoid cutting the back loops of pile yarn and use shallow penetration of the knife to avoid cutting face loops.

Seam Requirements
Tandus Centiva C-XL Seam sealer is *required* for all Tandus Centiva woven styles. The sealer must be properly placed to lock in the yarn bundle on both sides and be of sufficient quantity to form a strong bond. **Note**: Cross Cushion may require a larger bead to ensure there is sealer at the yarn bundle and not just the base of the foam. Where heat bond tape is used in double glue and stretch in installation, apply white latex seam sealer and let it dry before making the hot melt seam.

Manufacturing Tolerances
Carpet is a textile product subject to a certain amount of distortion during and after manufacturing. While extensive measures are taken by Tandus Centiva to assure pattern accuracy, perfect pattern match and perfectly straight lines are not guaranteed. Tandus Centiva manufactures woven carpet to tolerances considered workable to achieve satisfactory pattern match and straightness. If the following tolerances are exceeded, stop installation and call for direction 1-800-241-4902, ext 2625, 2623, 2129, 2023 or 2670.

Tolerances: Bow-¾" or less across width, skew-1" or less across width, and pattern elongation-1" or less in 10 feet length of carpet.

Achieving Pattern Match
It is necessary to dry lay as much of the carpet as possible before spreading adhesive. The roll sequence sheet provided by Tandus Centiva is based on measurement of pattern repeat. If it is not available or appears incorrect, double-check the repeats by counting the number of patterns in an exact length of 10 ft. and compare the results from roll to roll. Patterns are to be laid starting with the longest pattern and working to the shortest. The general rules of pattern matching are:

- Start in the center of the drop and stretch toward both ends. An exception would be to concentrate efforts on major walkways and less emphasis for under furniture seams.
- Step back frequently and sight down diagonal pattern lines as well as straight across.
- **Do not mix dye lots** unless approved in writing by Tandus Centiva.
- Start with the longest pattern (the least number of patterns in 10 ft). It is easier to stretch patterns than to shrink them. Where necessary to shrink, allow fullness and press down as the glue sets up.

Direct Glue Installation Method

- Prepare the floor as required for a quality installation.
- Following the pattern sequence, dry lay the carpet in the predetermined layout, checking for visible flaws and pattern match.
- Trim the edges in preparation for seaming
- Spread Tandus Centiva B-19 carpet adhesive using a 1/8" x 1/8" x 1/8" V notch trowel. **Note: Tandus Centiva B-19 is the only adhesive that meets Tandus Centiva warranty requirements for broadloom installations.**
- For pattern carpet it will be necessary to drop the carpet into the wet adhesive, as the pattern may need to be worked into place before the adhesive sets.
- With the first drop in the adhesive, apply a 1/8" bead of seam sealer to the carpet edge.
- Fold the 2nd drop into the adhesive.
- Move the drops as required to achieve pattern match, straight pattern lines and tightly closed seams. Use stay nails or other holding methods as required in order to hold the carpet in place while the adhesive sets.
- Roll the carpet to ensure 100% contact and adhesive transfer. For Cross Cushion backing do not exceed 75 lb roller weight.

The above methods are necessary to complete all required lengthwise, butt, or end seams. For stretch and double glue installations, refer to the CRI 104.

Terminating the Edge
CRI-104 calls for protective transition strip. All carpet terminations or transitions to other type flooring must have a capped edge molding or protective covering to protect the carpet edge. Edge ravel resulting from failure to protect the edge is not covered by the manufacturer's warranty. Damaged carpet at termination points is not a material defect.

Other- For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 9/2016

Tandus Centiva
A Tarkett Company

Form #025

Ergo-Blok Installation & Floor Preparation Instructions

General Notes
These installation instructions are specific to Ergo-Blok backing and are not applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of Tandus Centiva Ergo-Blok backing, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Except for any differences as noted herein, all Tandus Centiva Ergo-Blok carpet is to be installed in accordance with the minimum standards set forth in the CRI Carpet Installation Standard. Copies are available at www.carpet-rug.org. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva does not require installers to be certified prior to performing the installation of Ergo-Blok broadloom pattern products on actual jobsites; however, Installation Contractors must have a practical working knowledge of pattern broadloom installation in glue down applications. This would include skill at pattern matching, a working knowledge of stretching and stay nailing pattern carpet, cutting and straightening pattern edges, and the use of other mechanical devices as required to attain an acceptable pattern match. Pattern carpet installation requires more time and skill to attain the best possible pattern match than non-patterned carpet styles.

Ergo-Blok Patterns
Ergo-Blok pattern products are 12ft in width and the pattern may vary from the full width of the carpet, to smaller pattern intervals within the width and length of the product. Before proceeding with the instructions provided below the installer must know the width and length pattern repeat, and either be provided with a detailed floor plan showing the direction the carpet is to be installed, or be advised in writing of the pattern direction. The installation should not begin without a complete understanding of these installation parameters.

Site Requirements
Tandus Centiva Ergo-Blok products are intended for indoor installations on dry, properly prepared sub-floors. This product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause adhesive and product failure. For all Tandus Centiva Ergo-Blok products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869 *(Std. Test method for measuring Moisture Vapor Emission Rate of Concrete)*. The required pH range must not exceed 9.0 as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170 *(Std. Test method for measuring Relative Humidity in Concrete)*. This provides two methods of determining potential moisture issues. Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

More accurate and representative MVER, RH and pH test results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation, and the temperature and ambient relative humidity has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete MVER results are not an accurate method of evaluating the conditions of the flooring substrate. RH testing is the only accurate moisture test method. Gypsum based self-leveling compounds used as a topcoat over existing concrete or wood subfloors are tested in accordance with ASTM F-2659 using an Electronic Moisture Meter.

Moisture vapor emission testing, relative humidity, and pH testing indicate the moisture levels and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes in sub floor conditions, including increases in moisture and pH levels after installation.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. Tandus Centiva Ergo-Blok products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will extend adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Concrete subfloors must comply with ASTM C-150 Standard Specification for Portland Cement. Curing compounds, sealers, finishes, or other chemical treatments used on the sub floors must be chemically and physically compatible with the Ergo-Blok backing and adhesive systems, or they must be removed or skim coated with a Portland cement based patching product; *or other Tandus Centiva approved patching product.* **Chemically abated floors or the use of chemical adhesive removers prior to the installation of Tandus Centiva Ergo-Blok backing, and adhesive systems can result in product or installation failures and are neither recommended nor warranted.** If you have questions concerning the compatibility of specific chemicals with Tandus Centiva Ergo-Blok backing, or Ergo-Blok adhesive systems, please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext. 2625, 2623, 2129, 2023 or 2670.

Floor Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. Sweep and vacuum the floor after patching and debris removal. DO NOT use an oil-based or silicone based sweeping compound. Smooth, nonporous floors should be damp mopped prior to product installation. Make sure all perimeter areas are clean. Contact Tandus Centiva for more specific floor preparation guidelines including installation over cutback, or information on installation where other types of adhesive are present. Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate by wet scraping. Before attempting removal be certain the cutback adhesive does not contain asbestos. A licensed asbestos contractor should perform removal of asbestos containing cut back adhesive in accordance with state and federal requirements. That method of removal should not leave a residue of any type of chemical adhesive remover.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors patches or self-leveling products should be toweled smooth and conform to the ASTM F-2873 Standard for compressive strength. The subfloor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using a Portland Cement/Latex Fortified patching material, or other Tandus Centiva approved patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Approved Installation Methods
Direct glue down is the only recommended method of installation for Tandus Centiva Ergo-Blok broadloom products. Tandus Centiva B-19 Adhesive, and C-XL Seam Sealer must be used unless advised otherwise in writing by Tandus Centiva Field Technical Services.

Planning and Layout
A comprehensive seaming diagram shall be prepared and approved by the purchaser before beginning the installation. Seam placement should run parallel with the main flow of traffic whenever possible. Run the carpet lengthwise down corridors whenever possible. Always dry lay the Ergo-Blok, watching for any irregularities in the pattern.

Seams
Tandus Centiva Ergo-Blok styles have lengthwise lines of pattern or color. For a lengthwise seam, preparation is made by row cutting the carpet. Be careful to find the pattern match before cutting. Run the row with an awl or screwdriver to open and prevent cutting yarn off. A 10-146 Roberts Cushion Back Cutter is recommended for the best seam quality. The two blade design accommodates both left and right positions for cutting closer to the yarn. Be very careful to avoid cutting any carpet that may be underneath. Keep the cutter straight up and down with the blade lowered on the side of the cut edge. The cutter should be adjusted precisely so that the depth of the blade cuts cleanly thru the Ergo-Blok backing without any deflection. This cutting device requires that Roberts Heavy Duty Slotted Blades (blue) be used.

The adjoining cut edge is made using the same method. Be careful to find the pattern match before cutting. Align the carpet pattern along the length of the seam matching the pattern on the cut edge as closely as possible. Drop the blade on the edge that will provide the closest cut. Once the pattern is aligned as closely as possible row cut the second edge on the pattern match. The pattern on the two cut edges should match, or be extremely close to matching. A perfect match will often require mechanical manipulation, stretching and stay nailing as necessary.

The process of installing additional breadths of Ergo-Blok requires that this process be repeated throughout the installation.

Cross/End Seams
Cross/End seams are made by aligning the pattern on the two ends to be seamed as closely as possible. If it is possible to open the yarn on the cross/end seam on pattern with an awl or similar tool prior to cutting the carpet with a cushion back cutter that will produce a better seam. Adjust the blade to provide the closest cut edge based on the direction of the cut. Cut cleanly through the first breadth of carpet on the pattern match. Adjust the blade again to cut the closest to the edge of the second breadth of carpet. Utilizing the same method cut the second breadth of carpet on the pattern match. The pattern will be on match using this method, but it may require the same mechanical manipulation as described above to close the two breadths of carpet at the cross/end seam.

Seam Requirements
Tandus Centiva C-XL Seam sealer is *required* for all Tandus Centiva Ergo-Blok broadloom styles. The sealer must be properly placed to lock in the yarn bundle on both edges, and be of sufficient quantity to form a strong bond between the adjoining backings. Solvent based seam sealers or seam cleaners should never be used with Ergo-Blok backing.

Manufacturing Tolerances
Carpet is a textile product subject to a certain amount of distortion during and after manufacturing. While extensive measures are taken by Tandus Centiva to assure pattern accuracy, perfect pattern match, and straight yarn rows at the carpet edges, they are not guaranteed. Tandus Centiva manufactures Ergo-Blok pattern carpet to tolerances considered workable to achieve satisfactory pattern match and straightness. If the following tolerances are exceeded, stop the installation and call for direction 1-800-241-4902, ext 2625, 2129, 2623, 2023 or 2670.

Tolerances: On 12 ft Width - Bow-1 1/2" or less across width, skew-1 1/2" or less across width, and pattern elongation-1 1/2" or less in 12 feet length of carpet.

Achieving Pattern Match
Once the chosen direction to begin the installation has been determined it is necessary to dry lay as much of the carpet as possible before beginning the installation. The roll sequence sheet provided by Tandus Centiva is based on measurement of pattern repeats. Patterns are to be laid starting with the longest pattern and working to the shortest. The general rules of pattern matching are:

- In a large room start with your first drop (breadth of carpet) laid in the center of the room working out to the opposing walls. Work consecutive drops on either side of the first drop on match at the center point of the room, and working the pattern outward to match towards the walls. Never lay the first drop off a wall in a large room, or attempt to match the pattern starting at the wall and working towards the opposing wall. Power stretchers, crab stretchers, and the use of stay nails to hold the carpet pattern on match may be required.
- An exception to the above directions would be when there is a major hallway with offices on either side of the hallway. Then it is essential to concentrate efforts on the major hallway first, and match the pattern in the adjoining offices to the hallway as applicable. The offices cannot be laid first.
- The size of the pattern repeat and complexity of pattern elements may prevent sighting diagonal pattern lines, and only allow matching straight across the pattern. Whenever possible use both widthwise and diagonal pattern repeats to align the carpet before installation.
- Direct glue installations allow some limited ability to shrink or stretch the pattern by compressing the carpet or stretching the carpet.

Installation Methods

- Following the installation layout provided determine the best possible pattern sequence, dry lay the carpet in the predetermined layout, checking for visible flaws and align the pattern to attain the best match.
- Trim the edges in preparation for seaming as described above.
- Fold back half of the first two breadths of carpet to be installed.
- Assure that the two breadths of carpet are not allowed to shift or move.

- Apply the Tandus Centiva B-19 Adhesive in accordance with the bucket label.
- Allow the adhesive to flash off so that it is slightly tacky before laying in the first breadth of carpet.
- Drop the first breadth of carpet into the wet adhesive.
- Apply C-XL seam sealer at the fiber/backing level on the edge of the first breadth of Ergo-Blok.
- Fold the second breadth of Ergo-Blok into the adhesive.
- Assure that the first two breadths of Ergo-Blok pattern match at the seams, and have not shifted.
- After any required mechanical manipulation of the Ergo-Blok to achieve pattern match the seams must be tightly closed.
- If necessary tractor the seams to push the fiber together at the two cut edges.
- Repeat the above procedures as applicable working out from the first two breaths of carpet that are installed.
- Once the adhesive has developed legs roll the carpet to ensure 100% contact, and 100% adhesive transfer to the carpet backing. *A 75lb roller can be used.*
- On cross/end seams the above steps should be followed to attain the best seam quality, and pattern alignment.

The methods above are necessary to complete all required lengthwise, or cross/end seams.

Terminating the Edge

The CRI Carpet Installation Standard calls for protective transition strips. All carpet terminations or transitions to other type flooring must have a capped edge molding or protective covering at the carpet edge. Cutting the carpet flush with a Schluter Strip is not acceptable unless the strip selected covers the cut edge of the carpet. Edge ravel resulting from failure to protect the edge is not covered by the manufacturer warranty. Damaged carpet at termination points is not a material defect.

See Tandus Centiva Technical Service Bulletin - Post Installation Protection of Carpet

Other: For installation over substrates not mentioned here, information on exposed edges, more detailed installation information, and/or other installation information, please contact Tandus Centiva Technical Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

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Form #004-B

ethos® Modular with Omnicoat Technology™
INSTALLATION AND FLOOR PREPARATION INSTRUCTIONS

General Notes

These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva's Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification

Tandus Centiva requires that all installers be certified prior to performing the installation of modular products on actual jobsites. Contact your local Tandus Centiva Representative for more information on installer certification.

Site Requirements

Tandus Centiva modular products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, stairs, ramps, outdoors, or on wet surfaces. Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.

Moisture & pH

Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva's ethos modular products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 8.0 pounds, as tested according to ASTM F-1869 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is less than 11.0 as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170 (Std. Test method for measuring Relative Humidity in Concrete). When using ethos modular, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3 lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture or pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC system is functioning 24/7 for two weeks prior to installation and the temperature and ambient relative humidity has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, MVER results are not an accurate method of evaluating the conditions of the substrate. RH testing is the only accurate moisture test method for light weight concrete. Gypsum based self-leveling compounds used as a topcoat over existing concrete or wood sub-floors are tested in accordance with ASTM F-2659 using an Electronic Moisture Meter.

PH Testing

Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub-floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete, including microbial growth. Tandus Centiva Modular products are not a food source and do not promote growth or colonization of microscopic organisms. However, Tandus Centiva has no control over local conditions including the presence of mold spores and the potential for the introduction of food sources and therefore cannot warrant against such conditions. Tandus Centiva expressly disclaims such express or implied representations or warranties. Please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 for assistance with any concerns regarding the potential for future microbial growth.

Temperature & Humidity

The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the tile installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should be no more than 65%.

Floor Inspection

The sub-floor must be structurally sound and dry prior to installation. Concrete sub-floors must comply with ASTM C-150 Standard Specification for Portland cement. Any curing chemicals, sealers, finishers or other chemical treatments used on sub-floors must be chemically and physically compatible with Tandus Centiva C-EX Adhesive and C-36 or C-56 Primer, or they must be removed or skim coated with a Portland cement based product or other Tandus Centiva approved patching product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

Revised 6/2016

Floor Debris Cleaning

Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling

All sub-floors should be level. Concrete sub-floor patches or self-leveling products should be troweled smooth and conform to the ASTM F-2873 Standard for Compressive Strength. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material or other Tandus Centiva approved patching material. Do not install over loose tile (VAT, VCT or others loose existing flooring substrates).

Floor Cleaning

Sweep and vacuum the floor after patching and debris removal. Do not use oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation. In cases where floors are more porous it may be necessary to increase the amount of C-EX adhesive to compensate for absorption.

Where existing, non-asbestos containing adhesive is present, remove the existing adhesive. Priming is not required unless the previous adhesive shows signs of microbial growth or offensive odors such as those created through saponification. Priming with C-56 is required if the previous adhesive is classified as cutback or asphaltic based. Asbestos containing cutback adhesive should be removed by a licensed asbestos contractor in accordance with state and federal requirements. After the floor has dried completely, install the ethos modular following the Tandus Centiva installation procedures. *If new concrete has a high level of porosity, C-36E Primer is suggested.

Installation

Before starting, determine the lay direction of the modular tile based on building design and installation efficiencies. For example, ***monolithic*** (all going in same direction), ***ashlar*** (all going in same direction with end joints staggered by ½ tile width), ***quarter turned*** (every other tile is turned perpendicular to the next), ***random*** (tiles laid without regard to direction).

1. Typically, a room is divided into 4 equal parts (or quarters). Make the centerline by marking the center point of two opposing, parallel walls (usually this is the longest line). Snap a white chalk line between the two center marks. Snap a second cross line at the mid-point of the centerline, perpendicular line. To ensure that the lines are square with each other, use a 3-4-5-triangle method:
   - From the point of the centerline/cross line intersection, measure out and mark *exactly* 3 (feet, yards, etc.) on the centerline.
   - Then starting at the center point of the cross line/centerline intersection, measure out and mark *exactly* 4 (feet, yards, etc.) on the cross line.
   - Carefully measure the distance from the two points. If it is not exactly 5 (feet, yards, etc.), adjust the cross line angle until the measurement is exact. This procedure is very important.
2. Check the distance from each line to its parallel wall and determine how many tiles will be required. Shift the line as needed (in a parallel direction) to balance the width of the perimeter tiles (tiles against the wall). Whenever possible, perimeter tiles should be half-tile or greater.
3. To prevent from walking on the glue, it is best to apply adhesive to the floor area in one of the quarters formed by the crossed lined. Apply C-EX adhesive per label instructions. Adhesive is ready for installing when it no longer transfers to the finger when touched. Adhesive MUST BE DRY prior to installing ethos Tile. DO NOT apply C-EX adhesive over flat cable. C-EX is the only approved adhesive system for use with ethos modular.
4. Use the directional arrows printed on the back of all tiles to make sure all tiles are installed uniformly.
5. Start laying tiles from the intersection point in the center of the floor and install the first line of tiles along the long centerline. Install the second line of tiles along the cross line. Keep all the tiles exactly on the chalk lines. Fit the tiles next to each other by sliding them into place. Tile should be stored in boxes until they are being secured in place. Tiles that are removed from the box should be placed backing side up to increase the visibility of the loose tile and prevent tile stacks from being stepped upon. Caution should be taken to avoid stepping on single tiles or stacks of loose flooring.
6. **DO NOT FORCE THE TILES TOGETHER. COMPRESSION OF THE TILES MUST BE AVOIDED TO ASSURE THAT THE TILE EDGES DO NOT LIFT OFF THE FLOOR PREVENTING CONTACT WITH THE C-EX ADHESIVE. DO NOT TRAP FACE YARN BETWEEN OR UNDER TILE EDGES.** Roll the tiles firmly onto the floor WITH A 75 TO 100 LB ROLLER when properly positioned. Tiles can be removed from the floor at any time for realignment.
7. Continue to install the tiles in a stair-step or pyramid pattern starting from the intersection point. Check to make sure the tiles are properly aligned at the edges during installation.
8. When installing over raised access flooring systems the starting installation grid should always overlap the access panel joints. Installing the modular carpet tiles so that they are flush with the panels will create more visible tile seams, and if there is any movement in the panels due to not being securely in place the tile edges may be adversely affected.
9. Options for cutting and placing perimeter tiles:
   - ethos tiles are easy to cut and can be placed whole and freehand trimmed snug to fit the wall or door, etc.
   - *Alternatively*: Perimeter can be trimmed to fit by placing a tile (the fill tile) exactly on top of the last full line of field tile. Ensure that the fill tile is oriented properly by checking the arrow on back. Next, place another full tile (the reference tile) against the wall allowing it to fall on top of the fill tile. Use the edge of the reference tile as a guide to cut the fill tile, being careful not to cut through to the field tile. Install the cut tile with the cut edge along the wall. **Avoid compression of wall and door cuts.** Doorways and other permanent objects can be fitted using this method, by making a pattern or by measuring techniques. Provide transition strips on all exposed tile edges.

Other

For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more-detailed installation instructions, and/or other installation information, please contact Tandus Centiva's Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

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311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 5/14/2014

Tandus | Centiva
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Form #002-B

FLEX-AIRE® MODULAR NON-RS INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023, or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva requires that all installers be certified prior to performing the installation of modular products on actual jobsites. Contact your local Tandus Centiva representative for more information on installer certification.

Site Requirements
Tandus Centiva modular products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, stairs, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva Flex-Aire Modular product, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using Flex-Aire modular, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture or pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC system is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub-floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the tile installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should be no more than 65%.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems, please contact the Tandus Centiva Field Service Department at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or others loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation.

Floor Priming (*General*)
All porous, gritty, chalky and dusty surfaces should be primed using Tandus Centiva C-36E Floor Primer. All patched areas must be fully primed. Primer can be applied using a paint roller. Allow the primer to dry completely. Primer turns light blue and will not transfer to the touch when dry.

Surfaces that are nonporous do not require primer. These surfaces must be cleaned as noted above.

When old adhesives, other than cutback or emulsion adhesives, have been removed, use Tandus Centiva C-56 Premium Floor Primer. This is not a substitute for removal of old adhesive and proper floor debris cleaning, but a safeguard for problems caused by small amounts of old residual adhesive. *** Note that the bond of the C-12E Adhesive may be increased by the presence of any residue of existing adhesive that is not properly removed or encapsulated. Installation over existing adhesive that has not been properly addressed in accordance with Tandus Centiva Installation & Floor Preparation Requirements may result in a permanent installation.**

Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cutback adhesive. After removal of the cutback adhesive, prime the sub-floor using Tandus Centiva Premium Floor Primer which is only intended to cover small amounts of old cutback adhesives that may interfere with adhesion of the new floor covering. After the floor has dried completely, install the non-RS modular tiles following the Tandus Centiva installation procedures.

Installation
Determine the lay direction of the carpet based on building design and installation efficiencies.

1) Locate the first centerline in the installation area by marking the center point of two opposing, parallel walls. Snap a white (not blue or red) chalk line between the two center marks. Snap a second, perpendicular chalk line at the mid-point of this line (use a 3-4-5-triangle method to make sure the second line is perpendicular to the first. **This procedure is very important.**
2) Check the distance from each center line to its parallel wall and determine how many tiles will be required. Shift the line as needed (in a parallel direction) to balance the width of the border tiles (tiles against the wall). Border tiles where possible should not be less than half-tile widths.
3) Tandus Centiva C-12E Pressure Sensitive Adhesive must be used in a full spread mode to install Tandus Centiva Flex-Aire Modular. Apply C-12E with a short nap paint roller. Do not allow the wet adhesive to puddle. Allow the adhesive to set prior to installing tiles. C-12E is set when it dries clear and will not transfer to the hand when touched. Tiles should be installed immediately after the adhesive has dried. The adhesive **MUST BE DRY** prior to installing Flex-Aire Modular. **DO NOT apply adhesive over flat cable.**
4) Directional arrows are printed on the back of all tiles. Determine the "arrow direction" for the installation and make sure all tiles are installed in the same direction (unless a quarter-turn or other installation pattern is required).
5) Start from the intersection point in the center of the floor and install the first line of tiles along the first centerline. Install the second line of tiles along the perpendicular centerline. Keep all the tiles exactly on the chalk lines. Fit the tiles snugly next to each other by sliding them into place. DO NOT FORCE THE TILES. DO NOT TRAP FACE YARN BETWEEN OR UNDER TILE EDGES. Press the tiles into place. When the tiles are properly positioned roll with a 75 to 100 lb roller to assure a positive contact between the tile backing and the application of C-12E adhesive. Tiles can be removed from the floor at any time for realignment.
6) Continue to install the tiles in a stair-step or pyramid pattern starting from the intersection point. Check to make sure the tiles are properly aligned at the edges during installation.
7) Install border tiles by placing a tile face down exactly on top of the last full line of field tile, keep the arrows pointed in the same direction. This is the *cut tile*. Take another full tile and butt it against the wall allowing it to fall on top of the cut tile. This is the *reference tile*. Score a line on the back of the *cut tile* using the edge of the *reference tile* as a guide. Cut the *cut tile* along the reference line. Do not cut through to the field tile. Install the *cut tile* with the cut edge along the wall. Doorways and other permanent objects can be fitted using this method, by making a pattern or by measuring techniques. Provide transition strips on all exposed tile edges.
8) When installing over raised access flooring systems the starting installation grid should always overlap the access panel joints. Installing the modular carpet tiles so that they are flush with the panels will create more visible tile seams, and if there is any movement in the panels due to not being securely in place the tile edges may be adversely affected.

Other
For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more-detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800/241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

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Tandus Centiva
A Tarkett Company

FORM #10

LifeLONG® & ERGOSTEP™ BROADLOOM INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Except for any differences as noted herein, all Tandus Centiva broadloom carpet is to be installed in accordance with the minimum standards set forth in CRI 104 Standard for Installation of Commercial Carpet. Copies are available at www.carpet-rug.org. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva does not require installers to be certified prior to performing the installation of broadloom products on actual jobsites; however, Installation Contractors who do not have a practical working knowledge of pattern carpet installation including pattern matching, straightening pattern lines, and the techniques of stretching and stay nailing should not attempt installing. Pattern carpet installation will require more time and skill than non-patterned styles.

Site Requirements
Tandus Centiva broadloom products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For all Tandus Centiva broadloom products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 *(Std. Test method for measuring Moisture Vapor Emission Rate of Concrete)*. The required pH range must not exceed 9.0 as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170-02 *(Std. Test method for measuring Relative Humidity in Concrete)*. This provides two measures of potential moisture issues. When using broadloom products, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture and pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will retard primer and adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. For additional information, please refer to the CRI 2009 104 Commercial Installation Standard. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use an oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use an oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation. Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cut back adhesive.

Installation Methods
Direct glue is the recommended method of installation for these broadloom products. Double glue and stretch in methods are allowed but result in the loss of warranty coverage for delamination and edge ravel. Bubbles in the installation are not covered by manufacturer warranty. Look for pile-lay (nap) indicators and always run the pile-lay (nap) in the same direction. Inspect the roll for flaws. Claims are not honored on installed material with visible flaws. **Use only Tandus Centiva adbesive and seam sealer on Tandus Centiva broadloom for warranty protection.**

Planning and Layout
A comprehensive seaming diagram should be prepared and approved by the purchaser before beginning the installation. Seam placement should run parallel with the main flow of traffic. Run the carpet lengthwise down corridors whenever possible. Follow the manufacturers suggested Laying Sequence and preplan where dye lot changes will fall. Always dry lay ahead, watching for irregularities in the pattern.

Seams
Most Tandus Centiva broadloom styles have lengthwise lines of pattern or color. For a lengthwise seam, preparation is made by row cutting the carpet. Be careful to find the pattern match before cutting. Run the row with an awl or screwdriver to ensure the row is open and no leaning yarns will be cut off. On LifeLong, a loop pile cutter is recommended for best cut and to avoid cutting the carpet that may be underneath. On ErgoStep, a cushion back cutter is recommended. Keep the cutter straight up and down so that the foam cut will be parallel. Some Tandus Centiva broadloom does not have distinct pattern or color lines. Double cutting or trace cutting is permitted. When you are not sure, make practice seams to determine which of these methods will make the best seam.

Seam Requirements
Tandus Centiva C-XL Seam sealer is *required* for all Tandus Centiva broadloom styles. The sealer must be properly placed to lock in the yarn bundle on both sides and be of sufficient quantity to form a strong bond. **Note**: ErgoStep may require a larger bead to ensure there is sealer at the yarn bundle and not just the base of the foam. Where heat bond tape is used in double glue and stretch in installation, apply white latex seam sealer and let it dry before making the hot melt seam.

Manufacturing Tolerances
Carpet is a textile product subject to a certain amount of distortion during and after manufacturing. While extensive measures are taken by Tandus Centiva to assure pattern accuracy, perfect pattern match and perfectly straight lines are not guaranteed. Tandus Centiva manufactures broadloom carpet to tolerances considered workable to achieve satisfactory pattern match and straightness. If the following tolerances are exceeded, stop installation and call for direction 1-800-241-4902, ext 2625, 2623, 2129, 2023 or 2670.

Tolerances: Bow-1" or less across width, skew-1" or less across width, and pattern elongation-1" or less in 10 feet length of carpet.

Achieving Pattern Match
It is necessary to dry lay as much of the carpet as possible before spreading adhesive. The roll sequence sheet provided by Tandus Centiva is based on measurement of pattern repeat. If it is not available or appears incorrect, double-check the repeats by counting the number of patterns in an exact length of 10 ft. and compare the results from roll to roll. Patterns are to be laid starting with the longest pattern and working to the shortest. The general rules of pattern matching are:

- Start in the center of the drop and stretch toward both ends. An exception would be to concentrate efforts on major walkways and less emphasis for under furniture seams.
- Step back frequently and sight down diagonal pattern lines as well as straight across.
- **Do not mix dye lots** unless approved in writing by Tandus Centiva.
- Start with the longest pattern (the least number of patterns in 10 ft). It is easier to stretch patterns than to shrink them. Where necessary to shrink, allow fullness and press down as the glue sets up.

Direct Glue Installation Method

- Prepare the floor as required for a quality installation.
- Following the pattern sequence, dry lay the carpet in the predetermined layout, checking for visible flaws and pattern match.
- Trim the edges in preparation for seaming
- Spread Tandus Centiva B-19 carpet adhesive using a 1/8" x 1/8" x 1/8" V notch trowel. **Note: Tandus Centiva B-19 is the only adhesive that meets Tandus Centiva warrauty requirements for broadloom installations.**
- For pattern carpet it will be necessary to drop the carpet into the wet adhesive, as the pattern may need to be worked into place before the adhesive sets.
- With the first drop in the adhesive, apply a 1/8" bead of seam sealer to the carpet edge.
- Fold the second drop into the adhesive.
- Move the drops as required to achieve pattern match, straight pattern lines and tightly closed seams. Use stay nails or other holding methods as required in order to hold the carpet in place while the adhesive sets.
- Roll the carpet to ensure 100% contact and adhesive transfer. For ErgoStep backing do not exceed 75 lb roller weight.

The methods above are necessary to complete all required lengthwise, butt, or end seams. For stretch and double glue installations, refer to the CRI 104 Installation Methods.

Terminating the Edge
CRI-104 calls for protective transition strip. All carpet terminations or transitions to other type flooring must have a capped edge molding or protective covering to protect the carpet edge. Edge ravel resulting from failure to protect the edge is not covered by the manufacturer warranty. Damaged carpet at termination points is not a material defect.

Other: For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 5/14/2014

Tandus | Centiva
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Form #002-A

ER3® MODULAR NON-RS INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva requires that all installers be certified prior to performing the installation of modular products on actual jobsites. Contact your local Tandus Centiva representative for more information on installer certification.

Site Requirements
Tandus Centiva modular products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, stairs, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva's ER3 Modular product, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using ER3 modular, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3 lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture or pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC system is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub-floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the tile installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should be no more than 65%.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems, please contact the Tandus Centiva Field Service Department at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or others loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation.

Floor Priming *(General)*
All porous, gritty, chalky and dusty surfaces should be primed using Tandus Centiva C-36E* Floor Primer. All patched areas must be fully primed. Primer can be applied using a paint roller. Allow the primer to dry completely. Primer turns light blue and will not transfer to the touch when dry.

Surfaces that are nonporous do not require primer. These surfaces must be cleaned as noted above.

When old adhesives, other than cutback or emulsion adhesives, have been removed, use Tandus Centiva C-56* Premium Floor Primer. This is not a substitute for removal of old adhesive and proper floor debris cleaning, but a safeguard for problems caused by small amounts of old residual adhesive.

Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cutback adhesive. After removal of the cutback adhesive, prime the sub-floor using Tandus Centiva C-56 Premium Floor Primer which is only intended to cover small amounts of old cutback adhesives that may interfere with adhesion of the new floor covering. After the floor has dried completely, install the Non-RS modular tiles following the Tandus Centiva installation procedures.

Installation
Determine the lay direction of the carpet based on building design and installation efficiencies.

1) Locate the first centerline in the installation area by marking the center point of two opposing, parallel walls. Snap a white (not blue or red) chalk line between the two center marks. Snap a second, perpendicular chalk line at the mid-point of this line (use a 3-4-5-triangle method to make sure the second line is perpendicular to the first. **This procedure is very important.**
2) Check the distance from each centerline to its parallel wall and determine how many tiles will be required. Shift the line as needed (in a parallel direction) to balance the width of the border tiles (tiles against the wall). Border tiles where possible should not be less than half-tile widths.
3) Tandus Centiva C-14E or C-EX* Pressure Sensitive Adhesive must be used in a full spread mode to install Tandus Centiva ER3 Modular. Apply C-14E or C-EX* with a short nap paint roller. Do not allow the wet adhesive to puddle. Allow the adhesive to set prior to installing tiles. C-14E or C-EX* are set when they dry clear and will not transfer to the hand when touched. Tiles should be installed immediately after the adhesive has dried. The adhesive **MUST BE DRY** prior to installing ER3 Modular. **DO NOT apply adhesive over flat cable.** ***Primer is not suggested to be used with C-EX Adhesive over new concrete. The bond of the C-EX to the clean concrete is stronger than the bond to the primed concrete.***
4) Directional arrows are printed on the back of all tiles. Determine the "arrow direction" for the installation and make sure all tiles are installed in the same direction (unless a quarter-turn or other installation pattern is required).
5) Start from the intersection point in the center of the floor and install the first line of tiles along the first centerline. Install the second line of tiles along the perpendicular centerline. Keep all the tiles exactly on the chalk lines. Fit the tiles snugly next to each other by sliding them into place. DO NOT FORCE THE TILES. DO NOT TRAP FACE YARN BETWEEN OR UNDER TILE EDGES. Press the tiles into place. When the tiles are properly positioned roll with a 75 to 100 lb roller to assure a positive contact between the tile backing and the application of C-14E adhesive. Tiles can be removed from the floor at any time for realignment.
6) Continue to install the tiles in a stair-step or pyramid pattern starting from the intersection point. Check to make sure the tiles are properly aligned at the edges during installation.
7) Install border tiles by placing a tile face down exactly on top of the last full line of field tile, keep the arrows pointed in the same direction. This is the *cut tile*. Take another full tile and butt it against the wall allowing it to fall on top of the cut tile. This is the *reference tile*. Score a line on the back of the *cut tile* using the edge of the *reference tile* as a guide. Cut the *cut tile* along the reference line. Do not cut through to the field tile. Install the *cut tile* with the cut edge along the wall. Doorways and other permanent objects can be fitted using this method, by making a pattern or by measuring techniques. Provide transition strips on all exposed tile edges.
8) When installing over raised access flooring systems the starting installation grid should always overlap the access panel joints. Installing the modular carpet tiles so that they are flush with the panels will create more visible tile seams, and if there is any movement in the panels due to not being securely in place the tile edges may be adversely affected.

Other
For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more-detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800/241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

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Form# 005

POWERBOND® CUSHION NON-RS INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Specific instructions for pattern matching are located at the bottom of the second page. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva requires that all installers be certified prior to performing the installation of Powerbond products on actual jobsites. Contact your local Tandus Centiva Representative for more information on installer certification.

Site Requirements
Tandus Centiva Powerbond products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.** ***We recommend that rolls be stored on end to help prevent wrinkles/creases during installation.***

Storage
Powerbond Cushion Non-RS roll goods **MUST** be stored in a controlled climate at a temperature between 65°-90°F, and a relative humidity below 65%. Powerbond Cushion Non-RS rolls should be stored by standing the roll on its end, making sure the plastic wrap is secured tightly around the roll or lying side by side. **DO NOT STACK.**

Moisture & pH
Powerbond Cushion installations utilizing #54 Seam Weld or C-XL Water Based Seam Sealer **do not** require moisture vapor emission rate (MVER) testing nor relative humidity (RH) testing **provided that** no free liquids are present and that no moisture stained concrete is evident. pH testing **is** required for all Powerbond Cushion installations as detailed below. In the event that free liquids and/or moisture stained concrete are observed, a full assessment of the concrete substrate is required. This assessment includes MVER testing per ASTM F-1869-04 (Standard Test Method for Measuring Moisture Emission Rate of Concrete) and In-Situ RH testing per ASTM F-2170-02 (Standard Test Method for Measuring Relative Humidity in Concrete). For assistance with installations that require MVER and RH testing, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2129, 2625, 2623, 2023, or 2670. In cases where such testing is mandated, Tandus Centiva requires that at least 1 MVER and RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Flooring Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture and pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete RH will be the only recognized moisture test method. Gypsum based leveling compound used as a topcoat over existing concrete should not be considered part of the overall thickness of the concrete when setting RH probes.

PH Testing
The required pH range is 9.0 or less as tested according to ASTM F-710-05. Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will retard primer and adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use an oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use an oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation.

Floor Priming (*General*)
All porous, gritty, chalky and dusty surfaces should be primed using Tandus Centiva C-36E Floor Primer. All patched areas must be fully primed. Primer can be applied using a paint roller. Allow the primer to dry completely. Primer turns light blue and will not transfer to the touch when dry. **Surfaces that are nonporous do not require primer. These surfaces must be cleaned as noted above.**

When old adhesives other than cutback or emulsion adhesives, have been removed, use Tandus Centiva C-56 Premium Floor Primer. This is not a substitute for removal of old adhesive and proper floor debris cleaning, but a safeguard for problems caused by small amounts of old residual adhesive.

Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements *should perform removal of asbestos containing cut back adhesive. After removal of the cutback adhesive, prime the sub floor using Tandus Centiva* premium Floor Primer which is only intended to cover small amounts of old cutback adhesives that may interfere with adhesion of the new floor covering. After the floor has dried completely, install following the Tandus Centiva installation procedures.

Installation
Determine the lay direction of the carpet based on building design and installation efficiencies.

1) Place (snap) a white chalk line in the center of the room in the lay direction. DO NOT use blue or red chalk.
2) Roll out the Powerbond carpet face-up with the arrows printed on the back pointing in the same direction. Lay out carpet so seams run toward main light sources when possible.
3) Lay the first breadth of carpet with the edge on the chalk line. Allow the ends and edges of carpet (as needed) to run up the wall a minimum of 2" for later trimming. Roll out the second breadth of carpet with the common edge overlapping the first breadth of carpet a minimum of 2" for straight cut or for serpentine cut.
4) The above described procedure can be followed to dry-lay the carpet in a room or work area. Allow a 2" (straight or serpentine cut) overlap at the butt ends of all rolls and anywhere a seam is required.
5) On the first seam only, working with two breadths of carpet, fold back one-third of each breadth of carpet (lengthwise) exposing the chalk line. Start folding back from one end of the carpet to prevent shifting. This procedure is referred to a "1/3 - 1/3 start." This procedure sets up all remaining seams in either direction for the "1/3 - 2/3" installation system.
6) Spread Tandus Centiva C-16E adhesive on the sub-floor between the folded back sections of carpet. Use a 3/32 x 3/32 x 3/32" V-notched trowel to apply the adhesive (on a smooth surface, use a smaller notched trowel). Allow adhesive sufficient open time to set-up (see installation instructions on container).
7) Starting from the center of the first breadth of carpet, feed the carpet into the adhesive in a continuous, rolling manner. The edge of the carpet should be the last section of material to feed into the adhesive. Do not allow adhesive to come in contact with the face of the carpet.
8) Roll the first breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
9) Feed the second breadth of carpet onto the floor. Make sure the overlap onto the first breadth is maintained.
10) Roll the second breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
11) Adjust the Tandus Centiva double cut knife blade to cut through both pieces of Powerbond carpet and lightly touch the floor. A sharp blade is required to successfully complete this procedure.
12) Determine the pile lay direction of the carpet and cut in the "smooth" direction. Using firm pressure on the knife-body, cut through both breadths of carpet in one fluid, continuous motion. Double cut down the middle of the overlap for a straight cut 2" overlap. For a serpentine cut (2" overlap), cut the carpet in a wave pattern with an 18" – 24" repeat in the wave. Do not allow the knife to track off the top piece of carpet. Use a carpet-trimming knife to double cut up to walls and structural members.
13) Remove top and bottom strips.
14) Hold back one edge of Powerbond and apply a thin bead (approximately 1/8" wide) of Tandus Centiva #54 seam weld or C-XL seam sealer to the backing edge when it comes in contact with the sub-floor. Seam sealer is only required on one side of the carpet. **Note:** Seam Weld #54 is a fast drying sealer.
15) Make up the seam starting at the center of the seamed line. Use a sliding motion to push the second breadth of carpet into the seam and Seam Weld. Avoid pushing the carpet down into the Seam Weld, as this may push the Weld away from the seam and result in a poor seam. Do not get any seam sealer in the face of the yarn.
16) As needed, use a clean, white, dry absorbent cloth and Seam Cleaner #77 to clean up any excess Seam Weld. Seam Weld must be cleaned up immediately. Place the Seam Cleaner on the cloth, but **DO NOT** saturate. **DO NOT** apply seam cleaner to carpet. Blot gently to remove the excess Seam Weld. C-XL can be easily cleaned while wet with water and a clean white towel.
17) Roll the completed seam lightly using a carpet tractor.
18) C-XL water based seam sealer is approved for use in all California Air Quality Management Districts.

The above methods are necessary to complete all required lengthwise, butt, or end seams.

Other
For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

Proper Procedures for Installation of Patterned Carpeting
Pattern carpets, like any pattern textile product, cannot be manufactured so that patterns will match perfectly when installed in multiple breadths. Tandus Centiva manufacturing processes are carefully controlled and will provide for an acceptable pattern match if proper installation techniques and procedures are used. Proper pattern matching is the responsibility of the installer, and should be considered when preparing proposals and quotations. Minor pattern adjustments during installation are possible and should be expected. **Key points on pattern carpet installations are**: (1) Never mix dye lots. (2) Always install pattern carpet in roll number sequence. (3) Rooms with multiple breadths of carpet always require that the best possible match be achieved. (4) Unrolling the carpet and allowing it to condition in the areas to be installed 24 hours prior to installation will facilitate installation and pattern adjustments. **Proper matching procedures are as follows**: (1) The proper installation "direction" of the carpet should be designated prior to installation based on building design and material utilization efficiencies. (2) Unroll the first breadth of carpet to the proper length, allowing 2 to 3 inches overlap at each end for fitting into the walls. (3) Unroll the second breadth of the carpet overlapping factory edges with the first breadth by a minimum of 2" (use a straight or serpentine cut) (4) Visually match the second breadth to the first, both horizontally and diagonally, by shifting lengthwise as required. (4) Always work the pattern from the center of the cut breadth of carpet towards the ends of each cut piece. (6) For longer cuts the pattern will vary more from center to end. Patterns may have to be adjusted to fit by using a butt seam. While a "perfect" pattern match cannot be guaranteed, exercising care and utilizing proper techniques can obtain acceptable results.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

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Tandus | Centiva
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Form #007

POWERBOND® ethos® NON-RS INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Specific instructions for pattern matching are located at the bottom of the second page. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva requires that all installers be certified prior to performing the installation of Powerbond products on actual jobsites. Contact your local Tandus Centiva Representative for more information on installer certification.

Site Requirements
Tandus Centiva Powerbond products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials. Tandus Centiva C-350 is the recommended adhesive for ethos.**

Storage
Powerbond ethos roll goods **MUST** be stored in a controlled climate at a temperature between 65°-90°F, and a relative humidity below 65%. ethos rolls should be stored by standing the roll on its end, making sure the plastic wrap is secured tightly around the roll or lying side by side. **DO NOT STACK.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For all Tandus Centiva products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using Powerbond ethos, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture and pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, or is a Gypsum based leveling compound used as a topcoat over existing concrete, MVER results are not an accurate means of evaluating the conditions of the flooring substrate; therefore, RH will be the only recognized moisture test method.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will retard primer and adhesive set times. **If the above temperature/moisture/pH requirements are not met, bubbles and ridges will increase.** Back rolling ethos prior to installation, and steaming after the ethos is installed, will relax and flatten any remaining bubbles and ridges.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use an oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use an oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation.

Floor Priming *(General)*
All porous, gritty, chalky and dusty surfaces should be primed using Tandus Centiva C-36E Floor Primer. All patched areas must be fully primed. Primer can be applied using a paint roller. Allow the primer to dry completely. Primer turns light blue and will not transfer to the touch when dry. **Surfaces that are nonporous do not require primer. These surfaces must be cleaned as noted above.**

When old adhesives other than cutback or emulsion adhesives, have been removed, use Tandus Centiva C-56 Premium Floor Primer. This is not a substitute for removal of old adhesive and proper floor debris cleaning, but a safeguard for problems caused by small amounts of old residual adhesive.

Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cut back adhesive. After removal of the cutback adhesive, prime the sub floor using Tandus Centiva premium Floor Primer which is only intended to cover small amounts of old cutback adhesives that may interfere with adhesion of the new floor covering. After the floor has dried completely, install following the Tandus Centiva installation procedures.

Installation
Determine the lay direction of the carpet based on building design and installation efficiencies.

1) Place (snap) a white chalk line in the center of the room in the lay direction. **Do Not** use blue or red chalk.
2) Roll out the ethos face-up with the arrows printed on the back pointing in the same direction. Lay out carpet so seams run toward main light sources when possible.
3) Lay the first breadth of carpet with the edge on the chalk line. Allow the ends and edges of carpet (as needed) to run up the wall a minimum of 2" for later trimming. Roll out the second breadth of carpet with the common edge overlapping the first breadth of carpet a minimum of 2" for straight cut or for serpentine cut.
4) The above described procedure can be followed to dry-lay the carpet in a room or work area. Allow a 2" (straight or serpentine cut) overlap at the butt ends of all rolls and anywhere a seam is required.
5) On the first seam only, working with two breadths of carpet, fold back one-third of each breadth of carpet (lengthwise) exposing the chalk line. Start folding back from one end of the carpet to prevent shifting. This procedure is referred to a "1/3 - 1/3 start." This procedure sets up all remaining seams in either direction for the "1/3 - 2/3" installation system.
5) Spread Tandus Centiva C-350 adhesive on the sub-floor between the folded back sections of ethos. Use a 1/16" x 1/16" x 1/16" square-notched trowel to apply the adhesive (on a smooth surface, use a smaller notched trowel). Allow adhesive sufficient open time to set-up (see installation instructions on container).
7) Starting from the center of the first breadth of carpet, feed the carpet into the adhesive in a continuous, rolling manner. The edge of the carpet should be the last section of material to feed into the adhesive. Do not allow adhesive to come in contact with the face of the carpet.
8) Roll the first breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
9) Feed the second breadth of carpet onto the floor. Make sure the overlap onto the first breadth is maintained.
10) Roll the second breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
11) Adjust Tandus Centiva double cut knife blade to cut through both pieces of ethos and lightly touch the floor. A sharp blade is required to successfully complete this procedure.
12) Determine the pile lay direction of the carpet and cut in the "smooth" direction. Using firm pressure on the knife-body, cut through both breadths of carpet in one fluid, continuous motion. Double cut down the middle of the overlap for a straight cut 2" overlap. For a serpentine cut (2" overlap), cut the carpet in a wave pattern with an 18" – 24" repeat in the wave. Do not allow the knife to track off the top piece of carpet. Use a carpet-trimming knife to double cut up to walls and structural members.
13) Remove top and bottom strips.
14) Hold back one edge of ethos and apply a thin bead (approximately 1/8") of C-XL seam sealer to the backing edge only, when it comes in contact with the sub-floor. Seam sealer is only required on one side of the carpet. .
15) Make up the seam starting at the center of the seamed line. Use a sliding motion to push the second breadth of carpet into the seam and seam sealer. Avoid pushing the carpet down into the Seam Sealer, as this may push the seam sealer away from the seam and result in a poor seam. Do not get any seam sealer in the face of the yarn.
16) As needed, use a clean, white, dry absorbent cloth and water to clean up any excess seam sealer. Seam sealer must be cleaned up immediately.
17) Roll the completed seam lightly using a carpet tractor.
18) C-XL water based seam sealer is approved for use in all California Air Quality Management Districts.

The above methods are necessary to complete all required lengthwise, butt, or end seams.

Other
For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

Proper Procedures for Installation of Patterned Carpeting
Pattern carpets, like any pattern textile product, cannot be manufactured so that patterns will match perfectly when installed in multiple breadths. Tandus Centiva manufacturing processes are carefully controlled and will provide for an acceptable pattern match if proper installation techniques and procedures are used. Proper pattern matching is the responsibility of the installer, and should be considered when preparing proposals and quotations. Minor pattern adjustments during installation are possible and should be expected. **Key points on pattern carpet installations are**: (1) Never mix dye lots. (2) Always install pattern carpet in roll number sequence. (3) Rooms with multiple breadths of carpet always require that the best possible match be achieved. (4) Unrolling the carpet and allowing it to condition in the areas to be installed 24 hours prior to installation will facilitate installation and pattern adjustments. **Proper matching procedures are as follows:** (1) The proper installation "direction" of the carpet should be designated prior to installation based on building design and material utilization efficiencies. (2) Unroll the first breadth of carpet to the proper length, allowing 2 to 3 inches overlap at each end for fitting into the walls. (3) Unroll the second breadth of the carpet overlapping factory edges with the first breadth by a minimum of 2" (use a straight or serpentine cut) (4) Visually match the second breadth to the first, both horizontally and diagonally, by shifting lengthwise as required. (4) Always work the pattern from the center of the cut breadth of carpet towards the ends of each cut piece. (6) For longer cuts the pattern will vary more from center to end. Patterns may have to be adjusted to fit by using a butt seam. While a "perfect" pattern match cannot be guaranteed, exercising care and utilizing proper techniques can obtain acceptable results.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 5/14/2014

Tandus | Centiva
A Tarkett Company

Form# 005-B

POWERBOND® MEDFLOOR® NON-RS INSTALLATION & FLOOR PREPARATION INSTRUCTIONS

General Notes
These installation instructions are general and are not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tandus Centiva products, please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva requires that all installers be certified prior to performing the installation of Powerbond products on actual jobsites. Contact your local Tandus Centiva Representative for more information on installer certification.

Site Requirements
Tandus Centiva Powerbond products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.** ***We recommend that rolls be stored on end to help prevent wrinkles/creases during installation.***

Storage
Powerbond Medfloor roll goods **MUST** be stored in a controlled climate at a temperature between 65°-90°F, and a relative humidity below 65%. Powerbond Medfloor Non-RS rolls should be stored by standing the roll on its end, making sure the plastic wrap is secured tightly around the roll or lying side by side. **DO NOT STACK.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause product failure. For Tandus Centiva Powerbond Medfloor products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869-04 (Std. Test method for measuring Moisture Emission Rate of Concrete). The required pH range is 9.0 or less as tested according to ASTM F-710-05. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170-02 (Std. Test method for measuring Relative Humidity in Concrete). When using Powerbond Medfloor, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the maximum allowable MVER will revert to 3lbs/24hr/1,000 sq ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Note that moisture vapor emission testing, relative humidity, and pH testing indicate the moisture level and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes to sub floor conditions, including increases in moisture and pH levels, post installation. Experience has shown that more accurate and representative MVER, RH and pH testing results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation and the indoor air quality has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete RH will be the only recognized moisture test method. Gypsum based leveling compound used as a topcoat over existing concrete should not be considered part of the overall thickness of the concrete when setting RH probes.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. All Tandus Centiva products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will retard primer and adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Any curing chemicals, sealers, finishers or other chemical treatments used on sub floors must be chemically and physically compatible with the Tandus Centiva backing and adhesive systems, or they must be removed or skim coated with a Portland cement based product. Chemically abated floors or the use of chemical adhesive removers prior to the application of Tandus Centiva backing and adhesive systems can result in product or installation failures and are not recommended nor warranted. If you have questions concerning the compatibility of specific chemicals with Tandus Centiva backing and adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Debris Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. DO NOT use an oil-based or silicone based sweeping compound. Contact Tandus Centiva for specific floor preparation guidelines including installation over cutback or information on general purpose adhesive.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors should be troweled smooth and should conform to the standard specifications as recommended by the Portland Cement Association. The floor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using Portland Cement/Latex fortified patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Floor Cleaning
Sweep and vacuum the floor after patching and debris removal. Do not use an oil, wax, or silicone based sweeping compound. Make sure all perimeter areas are clean. Smooth, nonporous floors should be damp mopped prior to product installation.

Floor Priming *(General)*
All porous, gritty, chalky and dusty surfaces should be primed using Tandus Centiva C-36E Floor Primer. All patched areas must be fully primed. Primer can be applied using a paint roller. Allow the primer to dry completely. Primer turns light blue and will not transfer to the touch when dry. **Surfaces that are nonporous do not require primer. These surfaces must be cleaned as noted above.**

When old adhesives other than cutback or emulsion adhesives, have been removed, use Tandus Centiva C-56 Premium Floor Primer. This is not a substitute for removal of old adhesive and proper floor debris cleaning, but a safeguard for problems caused by small amounts of old residual adhesive.

Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate. A licensed asbestos contractor in accordance with state and federal requirements should perform removal of asbestos containing cut back adhesive. After removal of the cutback adhesive, prime the sub floor using Tandus Centiva premium Floor Primer which is only intended to cover small amounts of old cutback adhesives that may interfere with adhesion of the new floor covering. After the floor has dried completely, install following the Tandus Centiva installation procedures.

Installation
Determine the lay direction of the carpet based on building design and installation efficiencies.

1) Place (snap) a white chalk line in the center of the room in the lay direction. Do Not use blue or red chalk.
2) Roll out the Powerbond carpet face-up with the arrows printed on the back pointing in the same direction. Lay out carpet so seams run toward main light sources when possible.
3) Lay the first breadth of carpet with the edge on the chalk line. Allow the ends and edges of carpet (as needed) to run up the wall a minimum of 2" for later trimming. Roll out the second breadth of carpet with the common edge overlapping the first breadth of carpet a minimum of 2" for straight cut or for serpentine cut.
4) The above described procedure can be followed to dry-lay the carpet in a room or work area. Allow a 2" (straight or serpentine cut) overlap at the butt ends of all rolls and anywhere a seam is required.
5) On the first seam only, working with two breadths of carpet, fold back one-third of each breadth of carpet (lengthwise) exposing the chalk line. Start folding back from one end of the carpet to prevent shifting. This procedure is referred to a "1/3 - 1/3 start." This procedure sets up all remaining seams in either direction for the "1/3 - 2/3" installation system.
6) Spread Tandus Centiva C-16E adhesive on the sub-floor between the folded back sections of carpet. Use a 3/32 x 3/32 x 3/32" V-notched trowel to apply the adhesive (on a smooth surface, use a smaller notched trowel). Allow adhesive sufficient open time to set-up (see installation instructions on container).
7) Starting from the center of the first breadth of carpet, feed the carpet into the adhesive in a continuous, rolling manner. The edge of the carpet should be the last section of material to feed into the adhesive. Do not allow adhesive to come in contact with the face of the carpet.
8) Roll the first breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
9) Feed the second breadth of carpet onto the floor. Make sure the overlap onto the first breadth is maintained.
10) Roll the second breadth of carpet using a 75-pound roller starting from the center of the breadth and rolling straight to the seam.
11) Adjust the Tandus Centiva double cut knife blade to cut through both pieces of Powerbond carpet and lightly touch the floor. A sharp blade is required to successfully complete this procedure.
12) Determine the pile lay direction of the carpet and cut in the "smooth" direction. Using firm pressure on the knife-body, cut through both breadths of carpet in one fluid, continuous motion. Double cut down the middle of the overlap for a straight cut 2" overlap. For a serpentine cut (2" overlap), cut the carpet in a wave pattern with an 18" – 24" repeat in the wave. Do not allow the knife to track off the top piece of carpet. Use a carpet-trimming knife to double cut up to walls and structural members.
13) Remove top and bottom strips.
14) Hold back one edge of Powerbond and apply a thin bead (approximately 1/16" for Medfloor) of Tandus Centiva #54 seam weld or C-XL seam sealer to the backing edge when it comes in contact with the sub-floor. Seam sealer is only required on one side of the carpet. **Note:** Seam Weld #54 is a fast drying sealer.
15) Make up the seam starting at the center of the seamed line. Use a sliding motion to push the second breadth of carpet into the seam and Seam Weld. Avoid pushing the carpet down into the Seam Weld, as this may push the Weld away from the seam and result in a poor seam. Do not get any seam sealer in the face of the yarn.
16) As needed, use a clean, white, dry absorbent cloth and Seam Cleaner #77 to clean up any excess Seam Weld. Seam Weld must be cleaned up immediately. Place the Seam Cleaner on the cloth, but **DO NOT** saturate. **DO NOT** apply seam cleaner to carpet. Blot gently to remove the excess Seam Weld. C-XL can be easily cleaned while wet with water and a clean white towel.
17) Roll the completed seam lightly using a carpet tractor.
18) C-XL water based seam sealer is approved for use in all California Air Quality Management Districts.

The above methods are necessary to complete all required lengthwise, butt, or end seams.

Other
For installation over substrates not mentioned here, information on exposed edges, air pockets, repairs, more detailed installation instructions, and/or other installation information, please contact Tandus Centiva Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

Proper Procedures for Installation of Patterned Carpeting
Pattern carpets, like any pattern textile product, cannot be manufactured so that patterns will match perfectly when installed in multiple breadths. Tandus Centiva manufacturing processes are carefully controlled and will provide for an acceptable pattern match if proper installation techniques and procedures are used. Proper pattern matching is the responsibility of the installer, and should be considered when preparing proposals and quotations. Minor pattern adjustments during installation are possible and should be expected. **Key points on pattern carpet installations are**: (1) Never mix dye lots. (2) Always install pattern carpet in roll number sequence. (3) Rooms with multiple breadths of carpet always require that the best possible match be achieved. (4) Unrolling the carpet and allowing it to condition in the areas to be installed 24 hours prior to installation will facilitate installation and pattern adjustments. **Proper matching procedures are as follows**: (1) The proper installation "direction" of the carpet should be designated prior to installation based on building design and material utilization efficiencies. (2) Unroll the first breadth of carpet to the proper length, allowing 2 to 3 inches overlap at each end for fitting into the walls. (3) Unroll the second breadth of the carpet overlapping factory edges with the first breadth by a minimum of 2" (use a straight or serpentine cut) (4) Visually match the second breadth to the first, both horizontally and diagonally, by shifting lengthwise as required. (4) Always work the pattern from the center of the cut breadth of carpet towards the ends of each cut piece. (6) For longer cuts the pattern will vary more from center to end. Patterns may have to be adjusted to fit by using a butt seam. While a "perfect" pattern match cannot be guaranteed, exercising care and utilizing proper techniques can obtain acceptable results.

311 Smith Industrial Blvd., Dalton, GA 30722-1447

Revised 10/2016

Tandus Centiva
A Tarkett Company

Form #025

Super-Lok Installation & Floor Preparation Instructions

General Notes
These installation instructions are specific to Super-Lok backing, both pattern and non-pattern products. They are not applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of Tandus Centiva Super-Lok backings, or on specific products on this backing system please contact Tandus Centiva Installation Services at 800-241-4902, ext 2625, 2623, 2129, 2023 or 2670. All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Except for any differences as noted herein, all Tandus Centiva Super-Lok carpet is to be installed in accordance with the minimum standards set forth in the CRI Carpet Installation Standard. Copies are available at www.carpet-rug.org. **It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation.**

Installer Certification
Tandus Centiva does not require installers to be certified prior to performing the installation of broadloom products on Super-Lok backing on actual jobsites; however, Installation Contractors must have a practical working knowledge of various carpet constructions, of pattern carpet installation in direct glue down, double glue down over separate cushion, and stretch-in installations. This would include skill at pattern matching, a working knowledge of stretching and stay nailing pattern carpet, cutting and straightening pattern edges, and the use of other mechanical devices as required to attain an acceptable pattern match. Pattern carpet installation requires more time and skill than non-patterned carpet styles.

Super-Lok
Super-Lok products are 12ft to 15ft in width, and on pattern products the pattern scale may vary from the full width of the carpet, to smaller pattern intervals within the width and length of the product. Before proceeding with the instructions provided below the installer must know the width and length of the pattern repeat (where applicable), and either be provided with a detailed floor plan showing the direction the carpet is to be installed, or be advised in writing of the pattern direction. The installation should not begin without a complete understanding of these installation parameters.

Site Requirements
Tandus Centiva Super-Lok products are intended for indoor installations on dry, properly prepared sub-floors. This product is not intended for installation on walls, ramps, outdoors, or on wet surfaces. **Tandus Centiva is not responsible for product failure of any kind if these floor preparation and installation instructions are not adhered to. Only installation materials approved by Tandus Centiva should be used. Be certain to read and adhere to the shelf life and freeze-thaw stability information that is printed on the label of the installation materials.**

Moisture & pH
Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause adhesive and product failure. For all Tandus Centiva Super-Lok products, the maximum allowable moisture vapor emission rate (MVER) from the sub-floor is 5.0 pounds, as tested according to ASTM F-1869 *(Std. Test method for measuring Moisture Vapor Emission Rate of Concrete)*. The required pH range must not exceed 9.0 as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 85% as tested according to ASTM F-2170 *(Std. Test method for measuring Relative Humidity in Concrete)*. This provides two methods of determining potential moisture issues. Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq. ft. of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq. ft. is required for the balance of the project. **When In-Situ RH testing has been eliminated from the test protocol, the Maximum Allowable MVER will revert to 3 lbs/24 hr/1000 sq. ft.** Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

More accurate and representative MVER, RH and pH test results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation, and the temperature and ambient relative humidity has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete MVER results are not an accurate method of evaluating the conditions of the flooring substrate. RH testing is the only accurate moisture test method. Gypsum based self leveling compounds used as a topcoat over existing concrete or wood subfloors are tested in accordance with ASTM F-2659 using an Electronic Moisture Meter.

Moisture vapor emission testing, relative humidity, and pH testing indicate the moisture levels and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes in sub floor conditions, including increases in moisture and pH levels after installation.

PH Testing
Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately.

Installation of Tandus Centiva products on sub-floor conditions that exceed the specifications and limitations provided in this document will void the applicable limited warranties. Tandus Centiva does not represent or make any express or implied warranties that Tandus Centiva floor covering products will or will not affect, prevent or cure any other moisture or alkalinity-related issues that may arise because of the moisture and alkalinity levels found in the concrete. Tandus Centiva expressly disclaims such express or implied representations or warranties.

Temperature & Humidity
The temperature of the interior environment, including the sub floor should be no lower than 65°F and no higher than 90°F at least 72 hours prior to, during and after the installation. Tandus Centiva Super-Lok products and installation materials should be stored between 65°F and 90°F for at least 48 hours prior to installation. Relative humidity should not exceed 65% as it will extend adhesive set times.

Floor Inspection
The sub-floor must be structurally sound and dry prior to installation. Concrete subfloors must comply with ASTM C-150 Standard Specification for Portland cement. Curing compounds, sealers, finishes, or other chemical treatments used on the sub floors must be chemically and physically compatible with the Super-Lok adhesive systems, or they must be removed or skim coated with a Portland cement based; or other Tandus Centiva approved patching product. **Chemically abated floors or the use of chemical adhesive removers prior to the installation of Tandus Centiva Super-Lok backing, and adhesive systems can result in product or installation failures and are neither recommended nor warranted.** If you have questions concerning the compatibility of specific chemicals with Tandus Centiva Super-Lok backing, or adhesive systems please contact the Tandus Centiva Field Technical Service Department at 800-241-4902 ext 2625, 2623, 2129, 2023 or 2670.

Floor Cleaning
Clean the sub-floor of all excess concrete spots, solid debris or paint spots using suitable scraping methods. Completely remove all wax, dirt, grease, paints or old adhesives (especially cutback or emulsion). DO NOT use solvents or any other chemical adhesive removers to clean the sub-floor. Sweep and vacuum the floor after patching and debris removal. DO NOT use an oil-based or silicone based sweeping compound. Smooth, nonporous floors should be damp mopped prior to product installation. Make sure all perimeter areas are clean. Contact Tandus Centiva for more specific floor preparation guidelines including installation over cutback, or information on installation where other types of adhesive are present. Where existing, non-asbestos containing cutback adhesive is present, remove the old cutback to the substrate by wet scraping. Before attempting removal be certain the cutback adhesive does not contain asbestos. A licensed asbestos contractor should perform removal of asbestos containing cut back adhesive in accordance with state and federal requirements. Tandus Centiva should be contacted before any chemical abatement to insure that the abatement method does not create future installation issues or failures.

Floor Patching and Leveling
All sub-floors should be level. Concrete sub-floors patches or self leveling products should be toweled smooth and conform to the ASTM F-2873 Standard for compressive strength. The subfloor should be flat to within 1/8" in 10 feet. Cracks, holes and depressions can be filled using a Portland Cement/Latex fortified patching material, or other Tandus Centiva approved patching material. Do not install over loose tile (VAT, VCT or other loose existing flooring substrates).

Approved Installation Methods
Direct glue down, double glue down over separate cushion, and stretch-in are recommended methods of installation for Tandus Centiva Super-Lok broadloom products. **On double glue down, or stretch-in installations the cushion selected shall not exceed .250 in thickness, and must have a minimum density of 20 lbs.** The cushion should be run perpendicular to the carpet if possible, or if run in the same direction cushion seams must be offset by at least 6" from carpet seams.

TredMOR 1562 cushion is recommended for double glue applications. The TredMOR cushion is adhered to the floor with Tandus Centiva C-TR Adhesive using a 1/16 V notch trowel. TredMOR 2568 or 2580 cushion is recommended for stretch-in installation and may be secured using Tandus Centiva C-12 Adhesive. The cushion should never exceed .250 in thickness with either of the above installation methods. **Use only Tandus Centiva adhesive and seam sealer on Tandus Centiva Super-Lok for warranty protection.**

Planning and Layout
A comprehensive seaming diagram shall be prepared and approved by the purchaser before beginning the installation. Seam placement should run parallel with the main flow of traffic whenever possible. Run the carpet lengthwise down corridors whenever possible. Always dry lay the carpet, watching for any irregularities in the pattern.

Seams
Tandus Centiva pattern styles have lengthwise lines of pattern or color. For a lengthwise seam, preparation is made by row cutting the carpet. Be careful to find the pattern match before cutting. Run the row with an awl or screwdriver to open and prevent cutting yarn off. A 10-146 Roberts Cushion Back Cutter is recommended for the best seam quality. The two blade design accommodates both left and right positions for cutting closer to the yarn. Be very careful to avoid cutting any carpet that may be underneath. Keep the cutter straight up and down with the blade lowered on the side of the cut edge. Reverse the direction when you cut the other edge or lower the other blade to insure a tight seam. If desired a Roberts 10-152GT Loop Pile Cutter can be used with low, tight constructions, or with loop pile products. The two blade design accommodates left and right positions for cutting closer to the yarn. Both types of cutting devices require that Roberts Heavy Duty Slotted Blades (blue) be used.

Seam Requirements
Tandus Centiva C-XL Seam sealer is *required* for all Tandus Centiva broadloom styles. The sealer must be properly placed to lock in the yarn bundle on both sides and be of sufficient quantity to form a strong bond. For stretch-in installations use a 4 inch wide premium hot melt seaming tape like 50-375 Roberts Power-Loc Heat Bond Tape, **or equal,** with a silicone release agent on the back of the tape. For double glue down installations over separate cushion a premium hot melt seaming tape like Orcon Super3-DS Double Stick hot melt tape, **or equal** should be used with no silicone release agent on the back of the tape.

Manufacturing Tolerances
Carpet is a textile product subject to a certain amount of distortion during and after manufacturing. While extensive measures are taken by Tandus Centiva to assure pattern accuracy, perfect pattern match, and straight yarn rows at the carpet edges, they are not guaranteed. Tandus Centiva manufactures Super-Lok pattern carpet to tolerances considered workable to achieve satisfactory pattern match and straightness. If the following tolerances are exceeded, stop the installation and call for direction 1-800-241-4902, ext 2625, 2129, 2623, 2023 or 2670.
12 ft. Pattern Tolerances: Bow-1 1/2" or less across width, Skew-1 1/2" or less across width, and Pattern Elongation-1 1/2" or less in 12 feet length of carpet.
15 ft. Pattern Tolerances: Width - Bow- 2" or less across width, Skew- 2" or less across width, and Pattern Elongation- 1 1/2" or less in 12 feet length of carpet.

Achieving Pattern Match
Once the chosen installation method has been determined, and the appropriate TredMor cushion has been installed (if appropriate), it is necessary to dry lay as much of the carpet as possible before beginning the installation. The roll sequence sheet provided by Tandus Centiva is based on measurement of pattern repeats. Patterns are to be laid starting with the longest pattern and working to the shortest. The general rules of pattern matching are:

- In a large room start with your first drop (breadth of carpet) laid in the center of the room working out to the opposing walls. Work consecutive drops on either side of the first drop on match at the center point of the room, and working the pattern outward to match towards the walls. Never lay the first drop off a wall in a large room, or attempt to match the pattern starting at the wall and working towards the opposing wall. Power stretchers, crab stretchers, and the use of stay nails to hold the carpet pattern on match may be required.
- An exception to the above directions would be when there is a major hallway with offices on either side of the hallway. Then it is essential to concentrate efforts on the major hallway first, and match the pattern in the adjoining offices to the hallway as applicable. The offices cannot be laid first.
- The size of the pattern repeat and complexity of pattern elements may prevent sighting diagonal pattern lines, and only allow matching straight across the pattern. Whenever possible use both widthwise and diagonal pattern repeats to align the carpet before installation.
- On stretch-in installations it is essential to follow the installation sequence so you start with the longest pattern repeat and stretch the consecutive breadths to match, stay nailing to hold the carpet on match prior to seaming.
- It is much easier to stretch patterns than to shrink them. In direct glue or double glue down installations where it is necessary to shrink the pattern, allow the least fullness possible, and then press the fullness down into the glue as it sets up. Shrinking the pattern in stretch-in installations is virtually impossible. Stretching the opposing breadth to match is required to attain pattern match.

Installation Methods

- Prepare the floor as required for the specified installation method.
- On both double glue down and stretch-in installations secure the cushion as specified above in **Approved Installation Methods.**
- On stretch-in installations always use commercial tack strip (*tackless strip*).
- Following the pattern sequence, dry lay the carpet in the predetermined layout, checking for visible flaws and align the pattern to attain the best match.
- Trim the edges in preparation for seaming as described above.
- Follow the above instructions using the applicable materials for the chosen installation method, and proceed with installation.
- On both direct glue down and double glue down installations apply the Tandus Centiva B-19 Adhesive in accordance with the bucket label instructions either to the subfloor or TredMOR cushion.
- On direct glue down or double glue installations drop the first breadth of carpet into the wet adhesive.
- On double glue down installations place the Orcon Super3-DS Double Stick seaming tape under the first breadth with half the width of the tape exposed to go under the adjoining breadth of carpet.
- Apply a 1/8" bead of seam sealer to the first carpet edge.
- Fold the second drop into the adhesive.
- Move the drops as required to achieve pattern match, straight pattern lines, and tightly closed seams. Use stay nails or other holding methods as required in order to keep the carpet in place while the adhesive sets, or while making the hot melt seam on double glue down applications.
- On double glue down use a hot melt iron with the heat shield in place to melt the tape, and work the two cut edges together,
- Repeat the above procedures as applicable working out from the first two breaths of carpet that are installed.
- Once the adhesive has developed legs in direct glue down or double glue down installations roll the carpet to ensure 100% contact, and 100% adhesive transfer to the carpet backing. For double glue down installations do not exceed a 50 lb roller. For direct glue down installations a 75lb roller can be used.
- For stretch-in installations follow the applicable portions of the above instructions, use the required materials as defined in **Approved Installation Methods**, and stretch the carpet into place.

The methods above are necessary to complete all required lengthwise, or end seams.

Terminating the Edge

The CRI Carpet Installation Standard calls for protective transition strips. All carpet terminations or transitions to other type flooring must have a capped edge molding or protective covering at the carpet edge. Edge ravel resulting from failure to protect the edge is not covered by the manufacturer warranty. Damaged carpet at termination points is not a material defect.

See Tandus Centiva Technical Service Bulletin - Post Installation Protection of Carpet

Other: For installation over substrates not mentioned here, information on exposed edges, more detailed installation information, and/or other installation information, please contact Tandus Centiva Technical Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670.

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Installation Guidelines - CONTOUR *(Revised 04/28/16)*

General Notes

These installation instructions are general and not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tarkett or Tandus Centiva products, please contact Tandus Centiva's Installation Services at 800-241-4902, extensions 2625, 2623, 2129, 2023 or 2670.

Material Supply Check

All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Inspect the cartons to be sure all colors are the same shade. Remember that in some Tandus Centiva LVT styles, shading and subtle color variations may be part of the design.
Check all materials at the jobsite to the order.

Site Requirements

It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation. Tandus Centiva modular products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, stairs, ramps, outdoors, or on wet surfaces. The interior air temperature and Relative Humidity must be maintained between 65 - 85° F and 45 – 65% RH post installation.

Product & Sundry Storage

CONTOUR **MUST** be stored in a controlled climate at a temperature between 65°- 85°F, and a relative humidity below 65%. CONTOUR **MUST** be stored flat. **DO NOT STACK pallets. Adhesives must be stored between 65°- 85°F. Failure to follow these storage requirements will result in a loss of warranty.**

Previous Flooring and Adhesives

After removing the existing flooring, **remove all previous adhesive** including old cutback adhesive, grease, wax or other foreign matter. Painted and/or varnished surfaces must be sanded and dust free. In some cases old concrete subfloors must be shot blasted and a floor leveler should be applied prior to installation. If the previous adhesive remains after scraping, it must be encapsulated with Portland based cement or a synthetic gypsum. Poor subfloor preparation may eventually telegraph through the Tandus Centiva LVT flooring causing visible irregularities.
Between floor prep and start of installation, make sure to keep the floor dry, free from dirt, dust and grit.
If the flooring contractor and owner want to install over an existing floor, they are accepting the responsibility of the condition of the floor and Tandus Centiva US LLC retains the right to negate or limit their warranty.

Asbestos - Tandus Centiva luxury vinyl tile or planks contain no asbestos fibers. When removing existing resilient floor coverings, carefully observe the following warning:

- *Existing resilient floor coverings and black asphalt adhesive may contain asbestos. Improper procedures used to remove these products could release asbestos fibers into the air.*
- *Asbestos fibers, if inhaled, may cause serious bodily harm. Do not sand or dry scrape these materials. A preferred alternative to removal is to install a new floor over the old asbestos containing floor whenever possible. If removal of existing floor covering is necessary, be sure that all precautions are taken and proper procedures are followed. For information regarding proper removal procedures, please consult Tandus Centiva US LLC or the Resilient Floor Covering Institute, 401 East Jefferson Street, Suite 102, Rockville, MD, 20850, phone: 301-340-8580. Request the "Recommended Work Practices for Removal of Resilient Floor Coverings" brochure or view it online at www.rfci.com. Check state and local laws regarding removal of asbestos-containing materials.*

Concrete Moisture & pH

Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause adhesive and product failure. The referenced ASTM Standards are revised as necessary. Prior to Moisture or pH testing assure that you have the current ASTM Standard. All ASTM Standards are available online. For Tandus Centiva's CONTOUR, the maximum allowable moisture emission rate (MVER) from the sub-floor is 8.0 pounds, as tested according to ASTM F-1869 *(Std. Test method for measuring Moisture Emission Rate of Concrete)*. The required pH range must be between 7.0 – 10.0 as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 90% as tested according to ASTM F-2170 *(Std. Test method for measuring Relative Humidity in Concrete)*. These are the limits of CONTOUR and may or may not be the limits of the adhesive. For installations of CONTOUR over 85% RH and 6 lbs MVER, RollSmart must be used. For substrates that exceed 8.0 lbs MVER per ASTM F-1869, 10.0 pH per ASTM F-710, and/or 90% RH per ASTM F-2170, please contact Tandus Centiva's Field Services at 800-241-4902, extension 2625.

The above information provides two methods of determining potential moisture issues. Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Concrete Moisture & pH (cont'd)

More accurate and representative MVER, RH and pH test results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation, and the temperature and ambient relative humidity has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, MVER results are not an accurate method of evaluating the conditions of the flooring substrate. RH testing is the only accurate moisture test method. Synthetic gypsum based self-leveling compounds used as a topcoat over existing concrete or wood subfloors are tested in accordance with ASTM F-2659 using an Electronic Moisture Meter.

An impedance meter may be used to determine potential problem areas and should be used as a guide for placement location of tests. The impedance meter should be used in random areas to test for surface moisture due to dew point condensation. Substrate surfaces prior to applying RollSmart should not read over 4% on the impedance meter. All concrete substrate preparation and testing procedures must conform to the appropriate ASTM F 710 guidelines.

Moisture vapor emission testing, relative humidity, and pH testing indicate the moisture levels and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes in sub floor conditions, including increases in moisture and pH levels after installation.

If remediation of a slab is performed, always retest to ensure that the problem has been corrected. A new concrete floor contains a high percentage of moisture; therefore, it must be allowed adequate drying time. This drying time normally requires 28 to 30 days per inch of concrete, but it can vary depending on several conditions such as the type of concrete used, average air temperature and the thickness or location of the slab. All moisture requirements and testing above apply after remediation.

Floor Patching, Underlayment Panels & Leveling

Underlayment panels can be used to correct deficiencies in the subfloor and to provide a smooth, sound surface for Tandus Centiva LVT flooring. There are numerous suitable underlayment panels such as Structurwood®, Multiply and Masonite™ brand underlayments. The most common of these is 1/4" APA underlayment grade plywood. RFCI does not recommend Luan, particle board, strand board and flake board; therefore, they are not recommended as a subfloor for Tandus Centiva LVT.

Always fasten underlayment panels in accordance with the manufacturer's recommendations because any failure of the underlayment or Tandus Centiva LVT flooring as a result of the underlayment is the responsibility of the underlayment manufacturer and installer. Suitable underlayment with a fully sanded surface and a minimum thickness of 1/4" is preferred. Always make sure that the subfloor is free of any foreign material such as dust, grease, oil, polish and loose material that may cause staining, telegraphing or adhesive failure.

Tandus Centiva fully supports the ASTM F710 standard practices methods of preparing concrete floors to receive resilient flooring. The customer or installer is responsible to assure the subfloor meets all associated manufacturer's recommendations including local codes/standards.

A Portland cement or synthetic gypsum leveler should be used to cover subfloor irregularities such as seams, cracks, indentations, etc. Tandus Centiva does not recommend calcium sulfate/plaster/gypsum* based patching or leveling compound materials be used to remediate subfloor issues as these compounds can harbor moisture, promote mildew growth, offer poor permanent bonding that affects adhesive strength and typically have low indentation resistance. All remediation methods must have a minimum compression strength of 3000 PSI per ASTM F710.

Temperature & Humidity of the Installation Environment

The temperature of the interior environment, including the sub floor, should be no lower than 65°F and no higher than 85°F at least 72 hours prior to, during and after the installation. Relative humidity should not exceed 65% as it will extend adhesive set times. The interior air temperature and Relative Humidity must be maintained between 65 – 85° F and 45 – 65% RH, and the substrate temperature should be at least 5° F higher than the Dew Point.

Product Acclimation

All Tandus Centiva LVT tiles, planks and adhesive should be present at the jobsite for at least 48 hours at a temperature between 68-72° F in order to acclimate properly. Avoid installations with ambient temperatures above 85 degrees F and below 65 degrees F. The tiles, room and existing floor must be at room temperature (68-72 degrees F). It is helpful to stack the cartons two high around the area. Slabs in 36" x 36" are stacked on a pallet and may have to be acclimated up to 72 hours prior to installation. Avoid extreme cold and hot situations.

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Installation Tools

Never begin installation without all necessary tools available. (straight edge knife, curved edge knife, ruler, trowel, roller, etc.)

- Pencil & paper
- Chalk line & chalk
- Carpenter's square
- Steel measuring tape & steel rule
- Utility knife & blades
- Straight edge knife & curved edge knife
- Hand Roller ~ 8 lbs.
- Trowels (notched to meet the adhesive being used & subfloor requirements)
- Clean cloths & clean water
- 100 lb. roller

Calculating the Required Quantity of Tiles or Planks

1. Measure the room's length and width in feet. Multiply the width times the length to get the square footage.
2. Measure all offsets and alcoves separately, and add the square footage for each area to arrive at the total square footage.
3. Multiply the total square footage by 1.05 to allow for 5% waste. Use 1.08 for 8% waste on 36" x 36" installations.
4. Determine which size(s) of LVT you want to purchase and denote the ft²/carton (in parentheses) from the table below.
5. Divide your required LVT area by the ft²/carton and to determine the number of cartons required for the installation. Always round any fraction up since LVT is sold in cartons.

NOTE — A 36" x 36" tile covers 9 ft². Tiles are sold in 90 ft² cartons. For larger orders, due to environmental reasons, Tandus Centiva US LLC retains the rights to load a pallet of 240 slabs (2,160 sq. ft.) without packaging other than skirt and shrink-wrap.

CONTOUR SERIES ☑ Standard ✓ Optional Packaging (ft²/carton)

	12"x12" (45)	12"x18" (45)	12"x36" (45)	18"x18" (45)	18"x36" (45)	36"x36" (90)	4"x36" (45)	6"x36" (36)	7.2"x48" (36)
Asphalt				☑					
Cubist[1]	✓		✓	☑					
Modern Lime	✓			☑		✓			
Rays[1]	✓	✓	✓	☑	✓	✓	✓	✓	
Sigma	✓			☑			✓	✓	
Tide	✓	✓	✓	☑	✓	✓	✓	✓	
Contour Stones[2]	✓			☑					
Atlantis	✓	✓	☑	✓	✓	✓			
Wood Planks							✓	☑	✓

[1]Involving metallic pigments enhances the appearance of any building product. Even though state-of-the-art technology is used, natural shading will occur due to the visual variations of metallic components. [2]Recommended sizes for all Contour stones listed. Atlantis listed seperately.

Installation of LVT

The Contour Series comes in the various sizes previously listed and can be installed in multiple ways. Please review and investigate the recommended installation method(s) for the style(s) that you have purchased. Each tile and plank will have an arrow printed on its back telling you the manufacturing direction. Aligning or varying the direction of the arrows according to an installation method will generate a consistent or inconsistent visual.

NOTE (Shuffling): In order to achieve a consistently diverse visual appearance, color or pattern on the floor, we recommend the following:

A: Shuffling tiles or planks from the same carton
B: Shuffling tiles or planks from multiple cartons

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Installation Layout Perpendicular to Walls with Tiles or Planks

Carefully determining where to begin your tile installation. Always try to end up with at least half a tile at each wall for best appearance. Mix tiles from various boxes to get a more consistent look, if wanted.

1. Treat the room as a rectangle, disregarding offsets, alcoves, etc. Find the center points of the two side walls and strike a chalk line between them.

Figure 1

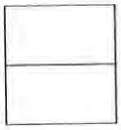
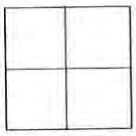
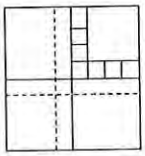


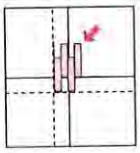
Figure 2

a 

2. Find the center of the chalk line, using T-square or a tile to line up. Strike second chalk line at right angles to the first one from the front to the back wall. The room is now divided into four equal parts.

3. Starting in the center of the room where the two chalk lines intersect, divide the distance by the length and width of your tile or plank to determine the size of the last tile or plank. It may be helpful to loose lay several tiles or planks in a row until you reach the wall to determine the size of the last tile. If it is less than half a tile in either direction, move away from that wall half a tile and chalk a new line. Select a color of chalk that will be visible through the adhesive.





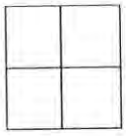
4. Apply a Tandus Centiva approved adhesive from the Adhesive Reference Guide on the following pages that is acceptable for the moisture testing results and restrict your adhesive application to an area that allows you to install the flooring within the open time of the adhesive. Apply the adhesive to the substrate with the appropriate tools as recommended by the supplier and the Adhesive Reference Guide below.

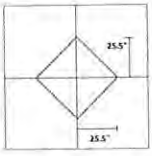
Preparing the Installation Layout Diagonally with Tiles

Extra measurements and guidelines are needed for diagonal installations. A sketch is useful for any complicated installation. Follow these guidelines for diagonal installations:

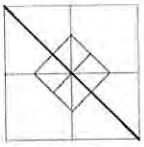
Figure 1

1. Divide the room into equal quarter sections and adjust the same way you would for normal installations.

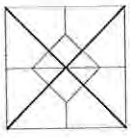




2. Measure and mark a point 25.5" from the center point on each centerline. Snap a chalk line to connect the four new points.



3. Mark the midpoint on the new guidelines and snap another chalk line to its opposite midpoint. These lines should intersect the original center point or the measurements will be incorrect.



4. Use the line to the other mid-point to generate a perpendicular line, if needed. Ensure that it goes through the center point. Use the carpenter's square or the 3-4-5 method to ensure that the lines are perpendicular.

5. Apply a Tandus Centiva approved adhesive that is acceptable for the moisture testing results and restrict your adhesive application to an area that allows you to install the flooring within the open time of the adhesive. Apply the adhesive to the substrate with the appropriate tools as recommended by the supplier and the Adhesive Reference Guide.

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ADHESIVES

1. Determine whether the sub-floor is porous. Place two droplets of water in various locations of the installation. If the sub-floor is porous, the water will be absorbed within a few seconds.
2. Make sure all sub-floors are clean, dry and free of dirt, dust, old adhesives, grease, wax, and other foreign matter that might interfere with the adhesive bond. Painted or varnished surfaces must be sanded and dust-free. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions. If applying over old cutback, all old adhesive must be removed so that the floor is smooth.
3. Use a high-quality latex/Portland cement based-type patching compound to fill or level any irregular areas. The sub-floor, flooring material, and adhesive must be acclimatized to the installation area for a minimum of 48 hours prior to installation. The area should be fully enclosed and weather-tight.
4. HVAC system set and maintained at a minimum temperature of 68-72°F for 48 hours prior to, during, and after installation.
5. Store adhesives indoors only. Protect from freezing. The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours.
6. Moisture testing should occur prior to the purchase of adhesive. Use adhesives that are approved to the measured moisture limits. Use of a Tandus Centiva approved adhesive with measured moisture higher than the limits of the adhesive will void the warranty.
7. Use of an unapproved adhesive will void the warranty.
8. Use of an approved adhesive outside of the installation instructions or guidelines from the Adhesive Reference Guide below will void the warranty.

Notes for Tarkett RollSmart:

1. If the sub-floor is extremely porous, a second coat of RollSmart may be necessary.
2. Apply RollSmart with a 3/8" nap roller and allow to dry.
3. Carefully place CONTOUR into RollSmart and adjust prior to pressing. The bond is aggressive when pressed.

Notes for Centi 2001 Wet Set, Centi 6000 SP, Centi 2000 EP, Schonox Roll & Go:

1. Not for use over non-porous floors such as sealed concrete, metal, existing sheet flooring. It is the responsibility of the user to determine whether or not the subfloor to be covered is porous.
2. Use CENTI 2001 Wet Set on grade, above grade, or below grade, porous structurally-sound surfaces of plywood and concrete.
3. Check open time periodically by lifting a section just laid to be certain that at least 95% of the adhesive pattern has been transferred to the back of the plank or tile.
4. Do not use CENTI 2001 Wet Set over existing resilient flooring or painted subfloors.

Adhesive Reference Guide

Approved Adhesives	Tarkett RollSmart™	CENTI 2001 Wet Set	CENTI 6000 SP	CENTI 2000 EP	ROLL AND GO™
Installation	paint roll and let dry	wet set	wet set with pressure sensitive characteristics	epoxy mix	wet set (thin) applied with included Schonox Roll and Go™ Roller
Sub-floor	porous/non-porous	porous only	porous/non-porous	porous /non-porous	porous only
Over old vinyl	Yes[1]	No	Yes[1]	Yes[1]	No
Rating	Commercial	Commercial	Commercial	Commercial	Commercial
Trowel size	3/8" nap roller	1/16 x 1/16 x 1/16 sq. notch	Porous: 1/16 x 1/16 x 1/16 sq. notch Non-porous: 1/32 x 1/16 x 1/32 U-notch	1/16 x 1/16 x 1/16 sq. notch	No Trowel. Apply with with included[4] Schonox Roll and Go™ Roller
Spread rate	~375 ft.² / gal	~125 ft.² / gal per trowel size	~120-130 ft.² / gal per trowel size	~130-150 ft.² / gal per trowel size	~540 ft.² / 1.56 gal. unit
working time[2]	~2 hours	25 minutes	45 minutes	40-50 minutes	~2 hours
Roller	100 lb.	100 lb.	100 lb.	100 lb	100 lb.
Max. moisture[3]	8 lbs/1000 ft.² in 24 hours or 90% Relative Humidity	6 lbs/1000 ft.² in 24 hours or 80% Relative Humidity	6 lbs/1000 ft.² in 24 hours or 80% Relative Humidity	6 lbs/1000 ft.² in 24 hours or 85% Relative Humidity	6 lbs/1000 ft.² in 24 hours or 85% Relative Humidity
Tandus Centiva Floor	Contour	Victory, Contour, Event, Venue	Contour, Event, Venue	Victory, Contour, Event, Venue	Contour, Event, Venue

[1] *If the flooring contractor and owner want to install over an existing floor, they are accepting the responsibility of the condition of the floor and Tandus Centiva US LLC retains the right to negate or limit their warranty.*

[2] ***Working time** is subject to temperature/humidity and sub-floor porosity.*

[3] *For installations with moisture higher than 8 lbs/1,000 sq. ft. in 24 hours or 90% RH, please contact your Tandus Centiva account executive.*

[4] *Schönox Roll and Go™ comes as a boxed kit and includes one container (4 kg/1.06 gal.) of Schönox Roll and Go™ Adhesive, Roll and Go Roller, Tray, two containers (1kg/0.25 gal.) of KH Fix Primer and KH Fix Primer Roller.*

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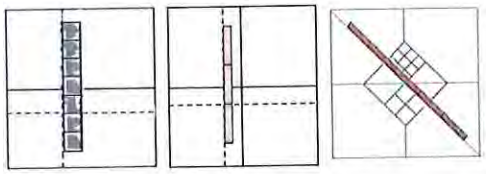
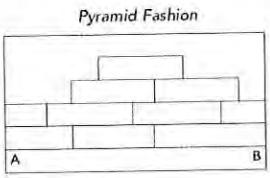
Installing Plank or Tiles Vertical Ashlar or Horizontal Ashlar

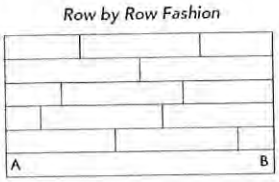


1. Your chalk lines are visible through the adhesive and you are ready to begin installing.
2. Install a row of CONTOUR along the chalk line, making sure each plank is flush against the chalk line and tight against the adjacent plank. Make sure the plank is well seated into the adhesive, paying special attention to the edges and, once the location correct, roll the tile or plank with the hand roller.
3. For Vertical Ashlar installations of planks or tiles, install the next row using the Pyramid Fashion or the Row by Row Fashion. Pyramid Fashion allows you to install one or two rows ahead of the last completed row but you never install beyond the width of the previous row. Row by Row Fashion is completing one row at a time and cutting in along the wall prior to installing the next row.

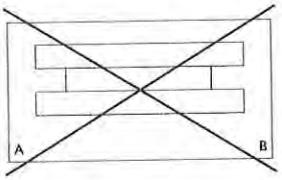
Pyramid Fashion



Row by Row Fashion

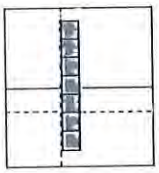


This is the incorrect way to lay the plank!



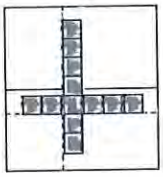
4. Roll the installed floor as you go with a with a 100 lb. sectional roller approximately five minutes after installation and again, 15 minutes after installation. Promptly remove any excess adhesive that appears after rolling.
5. Remove wet adhesive immediately with a damp cloth. Use mineral spirits to remove dried adhesive. Do not apply solvents directly to flooring material as a loss of strength/gloss/texture may result. If a tile needs to be cleaned of excess adhesive material on the finished surface, apply the solvent sparingly to a white cloth and slightly rub the dried adhesive from the surface of the product.

Optional Instructions for Unidirectional and Quarter Turn Installations



1. Your chalk lines are visible through the adhesive and you are ready to begin installing.

4. Install a row of CONTOUR along the chalk line, making sure each plank is flush against the chalk line and tight against the adjoining plank. Make sure the plank is well seated into the adhesive, paying special attention to the edges



3. For unidirectional installation or quarter-turn, it is recommended that tiles be installed along both chalk lines until there is less than one tile distance from the wall. Pay attention to manufacturing arrows on the back of the product to ensure that you have the proper visual.

4a. Start in the four interior corners of the two straight lines and begin to stair step your installation from the corner out towards the wall. Install the tile in the interior corner first, then the two tiles around the first, then the three interior tiles until there is less than a tiles length between the installation and the wall.

5a. Roll the installed floor with a 100 lb. sectional roller approximately five minutes after installation and again, 15 minutes after installation. Promptly remove any excess adhesive that appears after rolling.

**Row by row fashion installation specially recommended when using CENTI 2001 Wet Set Adhesive.*

Cutting In Along the Perimeter

Measure the distance from the last plank in the row to the wall. Mark the plank and cut it against the mark. Lay the plank in place, making sure the cut edge is against the wall.

Tandus Centiva LVT Plank features beveled and square edges to accent individual planks and create a distinct plank effect. For this reason, anytime you make a cut, you will want to place that cut edge along a wall. Placing a cut edge against the uncut edge of another piece of flooring will not look natural or realistic. However, for special patterns, the floor may be installed cut edge to cut edge and beveled edge to beveled edge for a consistent and finished look.

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Installing Around Irregular Objects:

Make a pattern out of heavy paper to fit around pipes and other irregularities. Place the pattern on the plank, trace, cutting along the trace lines with scissors or a sharp knife. Place the cut plank into position.

- It is always recommended to fit in intricate cuts around door frames, cabinets and transitions prior to spreading adhesive. See also adhesive pages.

The manufacturer or supplier will not be liable for any loss, damage or complaint of any kind if the specific procedures in the Installation Guidelines are not followed. Refer to tandus-centiva.com for the latest Installation Guidelines.

Post - Installation Tips

- After rolling the installation, check to see if any adhesive has been squeezed up between the tiles or planks. Use soap and water for Tarkett RollSmart, Centi 6000 SP, Centi 2001 WET SET and Schonox Roll & Go while wet or denatured alcohol or mineral spirits for all adhesives if they are dry. Any excess adhesive must be removed from the tile surface, in between tile seams or the surrounding area. DO NOT ALLOW EPOXY ADHESIVE TO DRY ON TILE SURFACE. To obtain best results, dampen a clean cloth with cleaner and gently rub areas as to not move the tiles out of place. Do not saturate the area with cleaner and make sure that you clean up any excess cleaning solution as you go.
- For Tarkett RollSmart, use an 8 lbs hand roller once the location of the tiles is correct. Roll the entire installation with a 100 lbs roller in two perpendicular directions at the conclusion of the installation.
- Like any flooring material, Tandus Centiva LVT should not be installed over expansion joints. As with real stone or wood products a cut should be made through the LVT to open the joint. Because of visual appearance this method is mostly not preferred. It is left to the discretion of the end consumer.
- Following installation, see Manufacturer's recommended maintenance instructions for post-construction cleanup and routine cleaning at tandus-centiva.com.
- Keep the installation from heavy foot traffic or rolling loads for at least 24 hours.
- Do not wash or apply a finish to the floor for a minimum of 48 hours after installation.

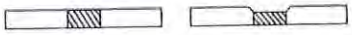
Please contact your Tandus Centiva account executive 800.248.2878. or visit tandus-centiva.com for more information.

IMAGINATIONS™

IMAGINATIONS™ Custom Flooring Design can generate virtually any idea into an intricately cut LVT design. Designs are conveyed to our IMAGINATIONS group and they can generate the CAD drawing and a custom design cutting file, locate the flooring in each location of your art, cut it, and assemble for easy installation. Call (256) 246 0640 with questions or requests. For IMAGINATIONS™ installations, please refer to the installation instructions that accompany the order.

Feature Strips

Feature Strips can be installed around the perimeter of each tile to frame each tile or give a grout appearance. Feature Strips can be cut from any Contour style and color. All LVT products can be supplied as feature strips in widths of 1/8", 1/4", 1/2", 3/4", 1", and 2" in 36" lengths. An interesting grout appearance may be achieved by combining a feature strip of a lesser thickness and a beveled tile edge.



.120" Feature Strip with Square Edge Tile

.100" Feature Strip with Slight Bevel Tile

To figure out quantity on Imaginations™ Custom Flooring Design patterns, please submit plans to your Tandus Centiva account executive or call 1-800-633-3380.

Borders & Corners

Create or accent an area in a space with borders and corners. Available in 4" and 6" wide from existing designs or customs.

Medallions

Add impact to an entrance, hallway or back room with circular or square Medallions.

Keystones

Custom Cut squares from 2" x 2" up to 9" x 9" used to mix up a conventional installation.

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Installation Guidelines – VENUE & EVENT *(Revised 04/28/16)*

General Notes

These installation instructions are general and not intended to be applicable for all sub-floor conditions. If you have any questions concerning the proper installation (or use) of any Tarkett or Tandus Centiva products, please contact Tandus Centiva's Installation Services at 800-241-4902, extensions 2625, 2623, 2129, 2023 or 2670.

Material Supply Check

All products should be inspected for dye lot, style, color, size, quality and shipping damage prior to installation and should not be installed if any irregularities are observed. Inspect the cartons to be sure all colors are the same shade. Remember that in some Tandus Centiva LVT styles, shading and subtle color variations may be part of the design.
Check all materials at the jobsite to the order.

Site Requirements

It is solely the responsibility of the installation contractor to insure that the sub-floor is properly prepared prior to installation. Tandus Centiva modular products are intended for indoor installations on dry, properly prepared sub-floors. The product is not intended for installation on walls, stairs, ramps, outdoors, or on wet surfaces. The interior air temperature and Relative Humidity must be maintained between 65 - 85° F and 45 – 65% RH post installation.

Product & Sundry Storage

VENUE & EVENT **MUST** be stored in a controlled climate at a temperature between 65°- 85°F, and a relative humidity below 65%. VENUE & EVENT **MUST** be stored flat. **DO NOT STACK pallets. Adhesives must be stored between 65°- 85°F. Failure to follow these storage requirements will result in a loss of warranty.**

Previous Flooring and Adhesives

After removing the existing flooring, **remove all previous adhesive** including old cutback adhesive, grease, wax or other foreign matter. Painted and/or varnished surfaces must be sanded and dust free. In some cases old concrete subfloors must be shot blasted and a floor leveler should be applied prior to installation. If the previous adhesive remains after scraping, it must be encapsulated with Portland based cement or a synthetic gypsum. Poor subfloor preparation may eventually telegraph through the Tandus Centiva LVT flooring causing visible irregularities.
Between floor prep and start of installation, make sure to keep the floor dry, free from dirt, dust and grit.
If the flooring contractor and owner want to install over an existing floor, they are accepting the responsibility of the condition of the floor and Tandus Centiva US LLC retains the right to negate or limit their warranty.

Asbestos - Tandus Centiva luxury vinyl tile or planks contain no asbestos fibers. When removing existing resilient floor coverings, carefully observe the following warning:

- *Existing resilient floor coverings and black asphalt adhesive may contain asbestos. Improper procedures used to remove these products could release asbestos fibers into the air.*
- *Asbestos fibers, if inhaled, may cause serious bodily harm. Do not sand or dry scrape these materials. A preferred alternative to removal is to install a new floor over the old asbestos containing floor whenever possible. If removal of existing floor covering is necessary, be sure that all precautions are taken and proper procedures are followed. For information regarding proper removal procedures, please consult Tandus Centiva US LLC or the Resilient Floor Covering Institute, 401 East Jefferson Street, Suite 102, Rockville, MD, 20850, phone: 301-340-8580. Request the "Recommended Work Practices for Removal of Resilient Floor Coverings" brochure or view it online at www.rfci.com. Check state and local laws regarding removal of asbestos-containing materials.*

Concrete Moisture & pH

Excessive moisture and/or high pH on any sub-floor, especially concrete, can cause adhesive and product failure. The referenced ASTM Standards are revised as necessary. Prior to Moisture or pH testing assure that you have the current ASTM Standard. All ASTM Standards are available online. For Tandus Centiva's VENUE & EVENT, the maximum allowable moisture emission rate (MVER) from the sub-floor is 6.0 pounds, as tested according to ASTM F-1869 *(Std. Test method for measuring Moisture Emission Rate of Concrete)*. The required pH range must be between 7.0 – 9.0 as tested according to ASTM F-710. The In-Situ/RH (relative humidity) requirement on concrete is not to exceed 80% as tested according to ASTM F-2170 *(Std. Test method for measuring Relative Humidity in Concrete)*. These are the limits of VENUE & EVENT and may or may not be the limits of the adhesive. For substrates that exceed 6.0 lbs MVER per ASTM F-1869, 9.0 pH per ASTM F-710, and/or 80% RH per ASTM F-2170, please contact Tandus Centiva's Field Services at 800-241-4902, extension 2625.

The above information provides two methods of determining potential moisture issues. Refer to our Technical Services Bulletin "Moisture and pH Testing of Tandus Centiva Products" for specific instructions on test methods, ambient conditions, and other requirements.

Concrete Moisture & pH (cont'd)

More accurate and representative MVER, RH and pH test results can be achieved when the HVAC systems is functioning 24/7 for two weeks prior to installation, and the temperature and ambient relative humidity has acclimated to occupancy conditions. In cases where the flooring substrate is light weight concrete, MVER results are not an accurate method of evaluating the conditions of the flooring substrate. RH testing is the only accurate moisture test method. Synthetic gypsum based self-leveling compounds used as a topcoat over existing concrete or wood subfloors are tested in accordance with ASTM F-2659 using an Electronic Moisture Meter.

An impedance meter may be used to determine potential problem areas and should be used as a guide for placement location of tests. The impedance meter should be used in random areas to test for surface moisture due to dew point condensation. Substrate surfaces prior to applying adhesives should not read over 4% on the impedance meter. All concrete substrate preparation and testing procedures must conform to the appropriate ASTM F 710 guidelines.

Moisture vapor emission testing, relative humidity, and pH testing indicate the moisture levels and pH of the concrete sub-floor at the time of installation. These tests do not provide static results and both moisture and pH can increase over time. Tandus Centiva is not responsible for product failure as a result of changes in sub floor conditions, including increases in moisture and pH levels after installation.

If remediation of a slab is performed, always retest to ensure that the problem has been corrected. A new concrete floor contains a high percentage of moisture; therefore, it must be allowed adequate drying time. This drying time normally requires 28 to 30 days per inch of concrete, but it can vary depending on several conditions such as the type of concrete used, average air temperature and the thickness or location of the slab. All moisture requirements and testing above apply after remediation.

Floor Patching, Underlayment Panels & Leveling

Underlayment panels can be used to correct deficiencies in the subfloor and to provide a smooth, sound surface for Tandus Centiva LVT flooring. There are numerous suitable underlayment panels such as Structurwood®, Multiply and Masonite™ brand underlayments. The most common of these is 1/4" APA underlayment grade plywood. RFCI does not recommend Luan, particle board, strand board and flake board; therefore, they are not recommended as a subfloor for Tandus Centiva LVT.

Always fasten underlayment panels in accordance with the manufacturer's recommendations because any failure of the underlayment or Tandus Centiva LVT flooring as a result of the underlayment is the responsibility of the underlayment manufacturer and installer. Suitable underlayment with a fully sanded surface and a minimum thickness of 1/4" is preferred. Always make sure that the subfloor is free of any foreign material such as dust, grease, oil, polish and loose material that may cause staining, telegraphing or adhesive failure.

Tandus Centiva fully supports the ASTM F710 standard practices methods of preparing concrete floors to receive resilient flooring. The customer or installer is responsible to assure the subfloor meets all associated manufacturer's recommendations including local codes/standards.

A Portland cement or synthetic gypsum leveler should be used to cover subfloor irregularities such as seams, cracks, indentations, etc. Tandus Centiva does not recommend calcium sulfate/plaster/gypsum* based patching or leveling compound materials be used to remediate subfloor issues as these compounds can harbor moisture, promote mildew growth, offer poor permanent bonding that affects adhesive strength and typically have low indentation resistance. All remediation methods must have a minimum compression strength of 3000 PSI per ASTM F710.

Temperature & Humidity of the Installation Environment

The temperature of the interior environment, including the sub floor, should be no lower than 65°F and no higher than 85°F at least 72 hours prior to, during and after the installation. Relative humidity should not exceed 65% as it will extend adhesive set times. The interior air temperature and Relative Humidity must be maintained between 65 – 85° F and 45 – 65% RH, and the substrate temperature should be at least 5° F higher than the Dew Point.

Product Acclimation

All Tandus Centiva LVT tiles, planks and adhesive should be present at the jobsite for at least 48 hours at a temperature between 68-72° F in order to acclimate properly. Avoid installations with ambient temperatures above 85 degrees F and below 65 degrees F. The tiles, room and existing floor must be at room temperature (68-72 degrees F). It is helpful to stack the cartons two high around the area. Slabs in 36" x 36" are stacked on a pallet and may have to be acclimated up to 72 hours prior to installation. Avoid extreme cold and hot situations.

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Installation Tools

Never begin installation without all necessary tools available. (straight edge knife, curved edge knife, ruler, trowel, roller, etc.)

- Pencil & paper
- Chalk line & chalk
- Carpenter's square
- Steel measuring tape & steel rule
- Utility knife & blades
- Straight edge knife & curved edge knife
- Trowels (notched to meet the adhesive being used & subfloor requirements)
- Clean cloths & clean water
- 100 lb. roller

Calculating the Required Quantity of Tiles or Planks

1. Measure the room's length and width in feet. Multiply the width times the length to get the square footage.
2. Measure all offsets and alcoves separately, and add the square footage for each area to arrive at the total square footage.
3. Multiply the total square footage by 1.05 to allow for 5% waste. Use 1.08 for 8% waste on 36" x 36" installations.
4. Determine which size(s) of LVT you want to purchase and denote the ft²/carton (in parentheses) from the table below.
5. Divide your required LVT area by the ft²/carton and to determine the number of cartons required for the installation. Always round any fraction up since LVT is sold in cartons.

NOTE — A 36" x 36" tile covers 9 ft². Tiles are sold in 90 ft² cartons. For larger orders, due to environmental reasons, Tandus Centiva US LLC retains the rights to load a pallet of 240 slabs (2,160 sq. ft.) without packaging other than skirt and shrink-wrap.

PRODUCT SIZE CHART

EVENT SERIES ☑ Standard only Packaging (ft²/carton)

Planks	4"x36" (45)	6"x36" (36)
Tile	12"x18" (45)	18"x18" (45)

VENUE SERIES ☑ Standard only Packaging (ft²/carton)

Wood	4"x36" (45)	6"x36" (36)	6"x48" (36)
Stone	12"x24" (36)	18"x18" (45)	36"x36" (90)
Abstract			
Concrete	6"x36" (36)	18"x18" (45)	36"x36" (45)
Criss Cross	18"x18" (36)	36"x36" (45)	
Fine Lines / Tread	6"x36" (36)	18"x18" (45)	

Installation of LVT

VENUE & EVENT come in the various sizes previously listed and can be installed in multiple ways. Please review and investigate the recommended installation method(s) for the style(s) that you have purchased. Each tile and plank will have an arrow printed on its back telling you the manufacturing direction. Aligning or varying the direction of the arrows according to an installation method will generate a consistent or inconsistent visual.

NOTE (Shuffling): In order to achieve a consistently diverse visual appearance, color or pattern on the floor, we recommend the following:

A: Shuffling tiles or planks from the same carton
B: Shuffling tiles or planks from multiple cartons

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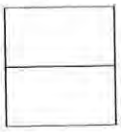
Installation Layout Perpendicular to Walls with Tiles or Planks

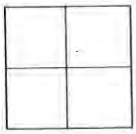
Carefully determining where to begin your tile installation. Always try to end up with at least half a tile at each wall for best appearance. Mix tiles from various boxes to get a more consistent look, if wanted.

Figure 1



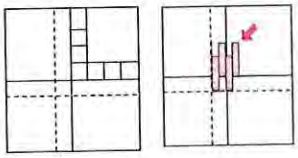
1. Treat the room as a rectangle, disregarding offsets, alcoves, etc. Find the center points of the two side walls and strike a chalk line between them.

Figure 2

a 

2. Find the center of the chalk line, using T-square or a tile to line up. Strike second chalk line at right angles to the first one from the front to the back wall. The room is now divided into four equal parts.

3. Starting in the center of the room where the two chalk lines intersect, divide the distance by the length and width of your tile or plank to determine the size of the last tile or plank. It may be helpful to loose lay several tiles or planks in a row until you reach the wall to determine the size of the last tile. If it is less than half a tile in either direction, move away from that wall half a tile and chalk a new line. Select a color of chalk that will be visible through the adhesive.



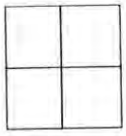
4. Apply a Tandus Centiva approved adhesive from the Adhesive Reference Guide on the following pages that is acceptable for the moisture testing results and restrict your adhesive application to an area that allows you to install the flooring within the open time of the adhesive. Apply the adhesive to the substrate with the appropriate tools as recommended by the supplier and the Adhesive Reference Guide.

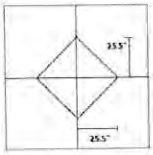
Preparing the Installation Layout Diagonally with Tiles

Extra measurements and guidelines are needed for diagonal installations. A sketch is useful for any complicated installation. Follow these guidelines for diagonal installations:

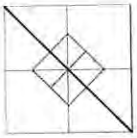
Figure 1

1. Divide the room into equal quarter sections and adjust the same way you would for normal installations.

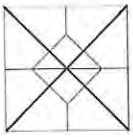




2. Measure and mark a point 25.5" from the center point on each centerline. Snap a chalk line to connect the four new points.



3. Mark the midpoint on the new guidelines and snap another chalk line to its opposite midpoint. These lines should intersect the original center point or the measurements will be incorrect. Snap a new chalkline on this line to ensure the first row is straight.



4. Use the line to the other mid-point to generate a perpendicular line, if needed. Ensure that it goes through the center point. Use the carpenter's square or the 3-4-5 method to ensure that the lines are perpendicular.

5. Apply a Tandus Centiva approved adhesive that is acceptable for the moisture testing results and restrict your adhesive application to an area that allows you to install the flooring within the open time of the adhesive. Apply the adhesive to the substrate with the appropriate tools as recommended by the supplier and the Adhesive Reference Guide below.

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ADHESIVES

1. Determine whether the sub-floor is porous. Place two droplets of water in various locations of the installation. If the sub-floor is porous, the water will be absorbed within a few seconds.
2. Make sure all sub-floors are clean, dry and free of dirt, dust, old adhesives, grease, wax, and other foreign matter that might interfere with the adhesive bond. Painted or varnished surfaces must be sanded and dust-free. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions. If applying over old cutback, all old adhesive must be removed so that the floor is smooth.
3. Use a high-quality latex/Portland cement based-type patching compound to fill or level any irregular areas.
4. The sub-floor, flooring material, and adhesive must be acclimatized to the installation area for a minimum of 48 hours prior to installation. The area should be fully enclosed, weather-tight, with permanent.
5. HVAC system set and maintained at a minimum temperature of 68-72°F for 48 hours prior to, during, and after installation.
6. Store adhesives indoors only. Protect from freezing. The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours.
7. Moisture testing should occur prior to the purchase of adhesive. Use adhesives that are approved to the measured moisture limits. Use of a Tandus Centiva approved adhesive with measured moisture higher than the limits of the adhesive will void the warranty.
8. Use of an unapproved adhesive will void the warranty.
9. Use of an approved adhesive outside of the installation instructions or guidelines from the Adhesive Reference Guide below will void the warranty.

Notes for Centi 2001 Wet Set, Centi 6000 SP, Centi 2000 EP, Schönox Roll & Go:

1. Use Centi 6000 SP and Centi 2000 EP over non-porous floors such as sealed concrete, metal, existing sheet flooring while using the correct trowel from the Adhesive Reference Guide. It is the responsibility of the user to determine whether or not the subfloor to be covered is porous.
2. Use CENTI 2001 Wet Set on grade, above grade, or below grade, porous structurally- sound surfaces of plywood and concrete.
3. Check open time periodically by lifting a section just laid to be certain that at least 95% of the adhesive pattern has been transferred to the back of the plank or tile.
4. Do not use CENTI 2001 Wet Set over existing resilient flooring or painted subfloors.

Adhesive Reference Guide

Approved Adhesives	CENTI 2001 Wet Set	CENTI 6000 SP	CENTI 2000 EP	ROLL AND GO™
Installation	wet set	wet set with pressure sensitive characteristics	epoxy mix	wet set (thin) applied with included Schonox Roll and Go™ Roller
Sub floor	porous only	porous/non-porous	porous/non-porous	porous only
Over old vinyl	No	Yes[1]	Yes[1]	No
Rating	Commercial	Commercial	Commercial	Commercial
Trowel size	1/16 x 1/16 x 1/16 sq. notch	Porous: 1/16 x 1/16 x 1/16 sq. notch Non-porous: 1/32 x 1/16 x 1/32 U-notch	1/16 x 1/16 x 1/16 sq. notch	No Trowel; Apply with with included [4]Schonox Roll and Go™ Roller
Spread rate	~125 sq. ft. per gallon per trowel size	~120-130 sq. ft. per gal. per trowel size	~130-150 sq. ft. per gal. per trowel size	~540 sq. ft. per 1.56 gal. unit
Working time[2]	25 minutes	45 minutes	40-50 minutes	~2 hours
Roller	100 lb.	100 lb.	100 lb.	100 lb.
Max. moisture[3]	6 lbs/1,000 sq. ft. or 80% relative humidity in 24 hours	6 lbs/1,000 sq. ft. or 80% relative humidity in 24 hours	6 lbs/1,000 sq. ft. or 85% relative humidity in 24 hours	6 lbs/1,000 sq. ft. or 85% relative humidity in 24 hours
Tandus Centiva Floor	Victory, Contour, Event, Venue	Contour, Event, Venue	Victory , Contour, Event, Venue	Contour, Event, Venue

[1] *If the flooring contractor and owner want to install over an existing floor, they are accepting the responsibility of the condition of the floor and Tandus Centiva US LLC retains the right to negate or limit their warranty.*

[2] *Open time is subject to temperature/humidity and sub-floor porosity.*

[3] *For installation over 6 lbs/1,000 sq. ft. in 24 hours or 80% RH, please contact your Tandus Centiva account executive.*

[4] *Schönox Roll and Go™ comes as a boxed kit and includes one container (4 kg/1.06 gal.) of Schönox Roll and Go™ Adhesive, Roll and Go Roller, Tray, two containers (1kg/0.25 gal.) of KH Fix Primer and KH Fix Primer Roller.*

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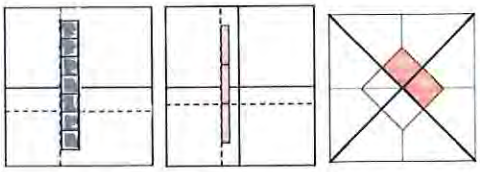
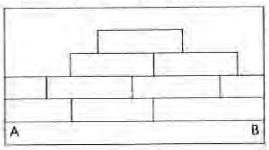
Installing Plank or Tiles Vertical Ashlar or Horizontal Ashlar



1. Your chalk lines are visible through the adhesive and you are ready to begin installing.
2. Install a row of VENUE or EVENT along the chalk line, making sure each plank is flush against the chalk line and tight against the adjacent plank. Make sure the plank is well seated into the adhesive, paying special attention to the edges.
3. For Vertical Ashlar installations of planks or tiles, install the next row using the Pyramid Fashion or the Row by Row Fashion. Pyramid Fashion allows you to install one or two rows ahead of the last completed row but you never install beyond the width of the previous row. Row by Row Fashion is completing one row at a time and cutting in along the wall prior to installing the next row.

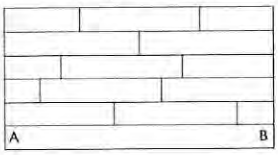
Pyramid Fashion

Pyramid Fashion

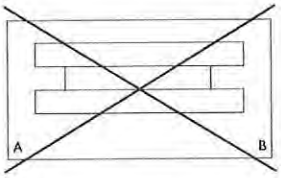


Row by Row Fashion

Row by Row Fashion



This is the incorrect way to lay the plank!



4. Roll the installed floor as you go with a with a 100 lb. sectional roller approximately five minutes after installation and again, 15 minutes after installation. Promptly remove any excess adhesive that appears after rolling.
5. Remove wet adhesive immediately with a damp cloth. Use mineral spirits to remove dried adhesive. Do not apply solvents directly to flooring material as a loss of strength/gloss/texture may result. If a tile needs to be cleaned of excess adhesive material on the finished surface, apply the solvent sparingly to a white cloth and slightly rub the dried adhesive from the surface of the product.

Optional Instructions for Unidirectional and Quarter Turn Installations

1. Your chalk lines are visible through the adhesive and you are ready to begin installing.

1. Install a row of VENUE or EVENT along the chalk line, making sure each plank is flush against the chalk line and tight against the adjoining plank. Make sure the plank is well seated into the adhesive, paying special attention to the edges

3. For unidirectional installation or quarter-turn, it is recommended that tiles be installed along both chalk lines until there is less than one tile distance from the wall. Pay attention to manufacturing arrows on the back of the product to ensure that you have the proper visual.

4a. Start in the four interior corners of the two straight lines and begin to stair step your installation from the corner out towards the wall. Install the tile in the interior corner first, then the two tiles around the first, then the three interior tiles until there is less than a tiles length between the installation and the wall.

5a. Roll the installed floor with a 100 lb. sectional roller approximately five minutes after installation and again, 15 minutes after installation. Promptly remove any excess adhesive that appears after rolling.

**Row by row fashion installation specially recommended when using CENTI 2001 Wet Set Adhesive.*

Cutting In Along the Perimeter

Measure the distance from the last plank in the row to the wall. Mark the plank and cut it against the mark. Lay the plank in place, making sure the cut edge is against the wall.

Tandus Centiva LVT Plank features beveled and square edges to accent individual planks and create a distinct plank effect. For this reason, anytime you make a cut, you will want to place that cut edge along a wall. Placing a cut edge against the uncut edge of another piece of flooring will not look natural or realistic. However, for special patterns, the floor may be installed cut edge to cut edge and beveled edge to beveled edge for a consistent and finished look.

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Installing Around Irregular Objects:

Make a pattern out of heavy paper to fit around pipes and other irregularities. Place the pattern on the plank, trace, cutting along the trace lines with scissors or a sharp knife. Place the cut plank into position.

• It is always recommended to fit in intricate cuts around door frames, cabinets and transitions prior to spreading adhesive. See also adhesive pages.

The manufacturer or supplier will not be liable for any loss, damage or complaint of any kind if the specific procedures in the Installation Guidelines are not followed. Refer to tandus-centiva.com for the latest Installation Guidelines.

Post - Installation Tips

- After rolling the installation, check to see if any adhesive has been squeezed up between the tiles or planks. Use soap and water for Centi 6000 SP, Centi 2001 WET SET and Schonox Roll & Go while wet or denatured alcohol or mineral spirits for all adhesives if they are dry. Any excess adhesive must be removed from the tile surface, in between tile seams or the surrounding area. DO NOT ALLOW EPOXY ADHESIVE TO DRY ON TILE SURFACE. To obtain best results, dampen a clean cloth with cleaner and gently rub areas as to not move the tiles out of place. Do not saturate the area with cleaner and make sure that you clean up any excess cleaning solution as you go.
- Like any flooring material, Tandus Centiva LVT should not be installed over expansion joints. As with real stone or wood products a cut should be made through the LVT to open the joint. Because of visual appearance this method is mostly not preferred. It is left to the discretion of the end consumer.
- Following installation, see Manufacturer's recommended maintenance instructions for post-construction cleanup and routine cleaning at tandus-centiva.com.
- Keep the installation from heavy foot traffic or rolling loads for at least 24 hours.
- Do not wash or apply a finish to the floor for a minimum of 48 hours after installation.

Please contact your Tandus Centiva account executive 800.248.2878. or visit tandus-centiva.com for more information.

IMAGINATIONS™

IMAGINATIONS™ Custom Flooring Design can generate virtually any idea into an intricately cut LVT design. Designs are conveyed to our IMAGINATIONS group and they can generate the CAD drawing and a custom design cutting file, locate the flooring in each location of your art, cut it, and assemble for easy installation. Call (256) 246 0640 with questions or requests. For IMAGINATIONS™ installations, please refer to the installation instructions that accompany the order.

Feature Strips

Feature Strips can be installed around the perimeter of each tile to frame each tile or give a grout appearance. Feature Strips can be cut from any VENUE & EVENT style and color. All LVT products can be supplied as feature strips in widths of 1/8", 1/4", 1/2", 3/4", 1", and 2" in 36" lengths. An interesting grout appearance may be achieved by combining a feature strip of a lesser thickness and a beveled tile edge.

.120" Feature Strip with Square Edge Tile

.100" Feature Strip with Slight Bevel Tile

To figure out quantity on Imaginations™ Custom Flooring Design patterns, please submit plans to your Tandus Centiva account executive or call 1-800-633-3380.

Borders & Corners

Create or accent an area in a space with borders and corners. Available in 4" and 6" wide from existing designs or customs.

Medallions

Add impact to an entrance, hallway or back room with circular or square Medallions.

Keystones

Custom Cut squares from 2" x 2" up to 9" x 9" used to mix up a conventional installation.

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GRID OVERLAY II #02969

Product Specification Sheet

Face Construction	Imperial		Metric	
Construction	Stratatec® Patterned Loop			
Face Weight	18	oz/sq yd	610.2	g/sq m
Gauge	5/64	50.4 rows/ 10 cm		
Stitches Per Inch	8.9	stitches / inch	35.0	stitches/10 cm
Tuft Density	113.92	tufts/sq in	17.7	tufts/sq cm
Pile Height Average	0.187	inch	4.8	mm
Pile Thickness	0.074	inch	1.9	mm
Density Factor	8,757	oz/cu yd	324.0	kg/cu m
Fiber System	Dynex SD® Nylon(Permanent Stain Resistance)			
Dye Method	Solution Dyed			
Fluorine-Free Soil Protection	Eco-Ensure			
Kilotex	10.2			
Primary Tufting Substrate	Synthetic Non-Woven			
Pattern Match	Not required			

Product Testing / Info

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
Electrostatic Propensity	1.9 kV (AATCC 134); Permanent Conductive Fiber
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)
Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
Smoke Generation	Less than 450 (ASTM E-662)
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)
Soil Protection	Application rate: 2% of face weight

Stain Resistance
>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)

Installation Methods

Installation Method	Quarter Turn, Vertical Ashlar, Herringbone - 18" X 36", Vertical Ashlar - 18" X 36", Herringbone 9" X 36", Vertical Ashlar-9

Product Notes

Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice. Colors may vary slighlty from dye lot to dye lot. U.S. Patent numbers: 4,849,297; 4,49,267; 5,728,741; 5,855,981; 5,914,353; 6,406,574. The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

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Product Construction
Modular Options

IMPERIAL	METRIC	TEST METHOD

Warranty: Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

ER3® Modular RS

Total Minimum Recycled Content	53.6%	Pre-Consumer:	36.9%	Post-Consumer:	16.7%		SCS Certified total 45-66%
Third Party Certification NSF-140	Platinum						SCS Certified
Product Size	6' Roll						
Secondary Backing	100% Recycled Content with Tru Bloc (Barrier System)						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65	lbs/cu ft		1041	kg/cu m		
Secondary Backing Thickness	0.087	inch		2.2	mm		
Total Weight	128.6	oz/sq yd +/-5%		4358	g/sq cm		
CRI Green Label Plus Certification	GLP1366						
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick						

ER3® Modular

Total Minimum Recycled Content	53.6%	Pre-Consumer:	36.9%	Post-Consumer:	16.7%		SCS Certified total 45-66%
Third Party Certification NSF-140	Platinum						SCS Certified
Product Size	6' Roll						
Secondary Backing	100% Recycled Content with Tru Bloc (Barrier System)						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65	lbs/cu ft		1041	kg/cu m		
Secondary Backing Thickness	0.087	inch		2.2	mm		
Total Weight	127.0	oz/sq yd +/-5%		4304	g/sq cm		
CRI Green Label Plus Certification	GLP1366						
Wet Spread	Backing specific Tandus Adhesives						

ethos® Modular with Omnicoat Technology'(TM)'

Total Minimum Recycled Content	58.1%	Pre-Consumer:	23.6%	Post-Consumer:	34.5%		SCS Certified total 47-75%
Third Party Certification NSF-140	Platinum						SCS Certified
Product Size	6' Roll						
Secondary Backing	50% Recycled Content						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65	lbs/cu ft		1041	kg/cu m		
Secondary Backing Thickness	0.05	inch		1.3	mm		
Total Weight	95.9	oz/sq yd +/-5%		3251	g/sq cm		
CRI Green Label Plus Certification	GLP8320						
Wet Spread	Backing specific Tandus Adhesives						

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Product Construction
Modular Options

Warranty: Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

IMPERIAL	METRIC	TEST METHOD
Flex-Aire® Cushion Modular		
Total Minimum Recycled Content	25.2% Pre-Consumer: 19.5% Post-Consumer: 5.7%	SCS Certified total 21-41%
Third Party Certification NSF-140	Gold	SCS Certified
Product Size	6' Roll	
Secondary Backing	Fiberglass Reinforced Composite Closed Cell Cushion	
Intermediate Layer	Fiberglass Reinforced Sealant	
Product Construction	No Delamination per ASTM D-3936	
Cushion Weight	35.5 oz/sq yd 1203 g/sq m	ASTM D-3574
Cushion Density	18.5 lbs/cu ft 296 kg/cu m	ASTM D-3574
Cushion Thickness	0.156 inch 4.0 mm	ASTM D-3574
Total Weight	115.8 oz/sq yd +/-5% 3924 g/sq cm	
Compression Set	Max. 10%	
Compression Deflection	5 min. 25 max. lbs/sq inch @ 25% 352 min. 1758 max. g/sq cm @ 25%	ASTM D-3574
CRI Green Label Plus Certification	GLP6558	
Wet Spread	Backing specific Tandus Adhesives	
Flex-Aire® Cushion Modular RS		
Total Minimum Recycled Content	25.2% Pre-Consumer: 19.5% Post-Consumer: 5.7%	SCS Certified total 21-41%
Third Party Certification NSF-140	Gold	SCS Certified
Product Size	6' Roll	
Secondary Backing	Fiberglass Reinforced Composite Closed Cell Cushion	
Intermediate Layer	Fiberglass Reinforced Sealant	
Product Construction	No Delamination per ASTM D-3936	
Cushion Weight	35.5 oz/sq yd 1203 g/sq m	ASTM D-3574
Cushion Density	18.5 lbs/cu ft 296 kg/cu m	ASTM D-3574
Cushion Thickness	0.156 inch 4.0 mm	ASTM D-3574
Total Weight	117.2 oz/sq yd +/-5% 3972 g/sq cm	
Compression Set	Max. 10%	ASTM D-3574
Compression Deflection	5 min. 25 max. lbs/sq inch @ 25% 352 min. 1758 max. g/sq cm @ 25%	ASTM D-3574
CRI Green Label Plus Certification	GLP6558	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	
Conserv® Modular		
Product Size	6' Roll	
Secondary Backing	Thermoplastic Polymeric	
Intermediate Layer	Fiberglass Reinforced Sealant	
Product Construction	No Delamination per ASTM D-3936	
Secondary Backing Density	120 lbs/cu ft 1922 kg/cu m	
Secondary Backing Thickness	0.041 inch 1.0 mm	
Total Weight	95.3 oz/sq yd +/-5% 3229 g/sq cm	
CRI Green Label Plus Certification	GLP1366	
Wet Spread	Backing specific Tandus Adhesives	

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Powerbond® (VCTT Sheet Flooring)

Product Construction
Powerbond Options

IMPERIAL	METRIC	TEST METHOD

Warranty: Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

Powerbond ethos® Cushion

Total Minimum Recycled Content	52.9%	Pre-Consumer:	0%	Post-Consumer:	42.9%		SCS Certified total 42-71%
Third Party Certification NSF-140	Platinum						SCS Certified
Product Size	6' Roll	1.8 m					
Cushion	76% Recycled Content Closed Cell Cushion						
Heterogeneous Construction	No Delamination per ASTM D-3936						
Cushion Density	32	lbs/cu ft		513	kg/cu m		ASTM D-3574
Cushion Thickness	0.100	inch		2.5	mm		ASTM D-3574
Total Weight	86.7	oz/sq yd +/-5%		2938	g/sq cm		
Compression Set	Max. 10%						ASTM D-3574
Compression Deflection	29	lbs/sq inch @ 25%		2039	g/sq cm @ 25%		ASTM D-3574
CRI Green Label Plus Certification	GLP8320						
Wet Spread	Backing specific Tandus Adhesives						

Powerbond ethos® Cushion RS

Total Minimum Recycled Content	52.9%	Pre-Consumer:	0%	Post-Consumer:	42.9%		SCS Certified total 42-71%
Third Party Certification NSF-140	Platinum						SCS Certified
Product Size	6' Roll	1.8 m					
Cushion	76% Recycled Content Closed Cell Cushion						
Heterogeneous Construction	No Delamination per ASTM D-3936						
Cushion Density	32	lbs/cu ft		513	kg/cu m		ASTM D-3574
Cushion Thickness	0.100	inch		2.5	mm		ASTM D-3574
Total Weight	89.1	oz/sq yd +/-5%		3019	g/sq cm		
Compression Set	Max. 10%						ASTM D-3574
Compression Deflection	29	lbs/sq inch @ 25%		2039	g/sq cm @ 25%		ASTM D-3574
CRI Green Label Plus Certification	GLP8320						
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick						

Powerbond Cushion

Total Minimum Recycled Content	8.5%	Pre-Consumer:	0%	Post-Consumer:	8.5%		SCS Certified total 7-33%
Third Party Certification NSF-140	Gold						SCS Certified
Product Size	6' Roll	1.8 m					
Cushion	Closed Cell Cushion						
Heterogeneous Construction	No Delamination per ASTM D-3936						
Cushion Weight	35.5	oz/sq yd		1203	g/sq m		ASTM D-3574
Cushion Density	18.5	lbs/cu ft		296	kg/cu m		ASTM D-3574
Cushion Thickness	0.156	inch		4.0	mm		ASTM D-3574
Total Weight	76.8	oz/sq yd +/-5%		2602	g/sq cm		
Compression Set	Max. 10%						ASTM D-3574
Compression Deflection	7 min. 25 max.	lbs/sq inch @ 25%		492 min. 1758 max.	g/sq cm @ 25%		ASTM D-3574
CRI Green Label Plus Certification	GLP9744						
Wet Spread	Backing specific Tandus Adhesives						

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Powerbond® (VCTT Sheet Flooring)

Product Construction
Powerbond Options

Warranty: Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

IMPERIAL	METRIC	TEST METHOD
Powerbond Cushion RS		
Total Minimum Recycled Content	8.5% Pre-Consumer: 0% Post-Consumer: 8.5%	SCS Certified total 7-33%
Third Party Certification NSF-140	Gold	SCS Certified
Product Size	6' Roll 1.8 m	
Cushion	Closed Cell Cushion	
Heterogeneous Construction	No Delamination per ASTM D-3936	
Cushion Weight	35.5 oz/sq yd 1203 g/sq m	ASTM D-3574
Cushion Density	18.5 lbs/cu ft 296 kg/cu m	ASTM D-3574
Cushion Thickness	0.156 inch 4.0 mm	ASTM D-3574
Total Weight	79.1 oz/sq yd +/-5% 2680 g/sq cm	
Compression Set	Max. 10%	ASTM D-3574
Compression Deflection	7 min. 25 max. lbs/sq inch @ 25% 492 min. 1758 max. g/sq cm @ 25%	ASTM D-3574
CRI Green Label Plus Certification	GLP9744	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	
Powerbond Medfloor®		
Total Minimum Recycled Content	8.7% Pre-Consumer: 0% Post-Consumer: 8.7%	SCS Certified total 7-33%
Product Size	6' Roll 1.8 m	
Cushion	Medfloor	
Heterogeneous Construction	No Delamination per ASTM D-3936	
Cushion Weight	37 oz/sq yd 1254 g/sq m	ASTM D-3574
Cushion Density	36 lbs/cu ft 577 kg/cu m	ASTM D-3574
Cushion Thickness	0.085 inch 2.2 mm	ASTM D-3574
Total Weight	78.3 oz/sq yd +/-5% 2653 g/sq cm	
Compression Set	Max. 10%	ASTM D-3574
Compression Deflection	29 lbs/sq inch @ 25% 2039 g/sq cm @ 25%	ASTM D-3574
CRI Green Label Plus Certification	GLP9744	
Wet Spread	Backing specific Tandus Adhesives	
Powerbond Medfloor® RS		
Total Minimum Recycled Content	8.7% Pre-Consumer: 0% Post-Consumer: 8.7%	SCS Certified total 7-33%
Product Size	6' Roll 1.8 m	
Cushion	Medfloor	
Heterogeneous Construction	No Delamination per ASTM D-3936	
Cushion Weight	37 oz/sq yd 1254 g/sq m	ASTM D-3574
Cushion Density	36 lbs/cu ft 577 kg/cu m	ASTM D-3574
Cushion Thickness	0.085 inch 2.2 mm	ASTM D-3574
Total Weight	81.0 oz/sq yd +/-5% 2744 g/sq cm	
Compression Set	Max. 10%	ASTM D-3574
Compression Deflection	29 lbs/sq inch @ 25% 2039 g/sq cm @ 25%	ASTM D-3574
CRI Green Label Plus Certification	GLP9744	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

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IMPULSE #44035

Product Specification Sheet

Face Construction	Imperial	Metric
Construction	Tufted Patterned Loop	
Tufted Pile Weight	22 oz/sq yd	745.8 g/sq m
Gauge	1/10 39.4 rows/ 10 cm	
Stitches Per Inch	10.5 stitches / inch	41.3 stitches/10 cm
Finished Pile Height	0.157 inch	4.0 mm
0.079 inch	2.0 mm	
Total Finished Weight	63.4 oz/sq yd	2150 g/sq m
Fiber System	Antron Lumena® Nylon	
Dye Method	Solution Dyed	
Kilotex	13.5	
Primary Backing	Woven Polypropylene	
Backing Construction	LifeLong® acrylic polymeric backing	
Pattern Match	7.20" W x 2.29" L	182.9 mm W x 58.2 mm L
Width	12 feet	366 cm
Total Recycled Content	38.8% overall post-industrial recycled content	

Color Line

02481 Cemented Metal	02482 Wood Pulp	02483 Reclaimed Lumber
02484 Sandblasted	02489 Land Management	02490 Frozen Earth
02493 Forged Iron	02509 Organic Matter	02510 Electroplated
02512 Recycled Aluminum	02513 Crushed Glass	02514 Solar Engine

Product Testing / Info

IAQ Results	CCI/CRI Green Label Plus Registration Number GLP6595. (Low VOC emitter.)
Methenamine Pill	Meets CAN/CGSB-4.2 No.27.6/DOC FF 1-70
Flooring Radiant Panel	ASTM E-648 Class I (Direct Gluedown)
Smoke Generation	Less than 450 (ASTM E-662)
Steiner Tunnel	ULC S102.2 Less than 300FS, 500SD
Soil Protection	ENSURE

The product, represented by averages of testing from random samplings of production lots, meets or exceeds the above Test Results

Warranties

20 Year Limited Abrasive Wear
20 Year Limited No Delamination or Edge Ravel
Lifetime Limited Anti-Static (Less than 3.5 kV)

Product Notes

The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for
All specifications are subject to normal manufacturing tolerances.
Dyelots may vary from samples.
Tandus Centiva reserves the right to change specifications and construction materials without notice due to raw material shortages or technological improvements, contact your representative for confirmation.
Antron Lumena® nylon has been certified by Scientific Certification Systems as an Environmentally Preferable Product.
optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.
5. LifeLong is both soft and tough. Maintains flexibilty over wide range of temperatures and site conditions for the life of the carpet. Easy to install.

Installation and Maintenance

Carpet is a textile fabric, subject to stretch and/or shrinkage. An acceptable pattern match is achievable, however, a perfect pattern match cannot be guaranteed. To achieve best results, more time should be allowed to install patterned carpet. This style has a definite pattern and must be installed according to pattern match procedures as outlined in Tandus Centiva installation specifications
For best side match and seam appearances, it is recommended to run seams perpendicular to external light sources.
Proper maintenance is critical to the long term performance of any carpet and should be written into the specification of a project.
Recommendations are available from your Tandus Centiva Representative.

Manufacturing Tolerances

Bow - 1" per 12' width
Skew - 1" per 12' width
Edge Straightness - +/- 1/2" variation
Pattern Elongation - 1" per 10'length

Launch Date

January 2010

Tandus | Centiva
A Tarkett Company

IMPULSE #44035

Product Specification Sheet

Face Construction	Imperial	Metric
Construction	Tufted Patterned Loop	
Tufted Pile Weight	22 oz/sq yd	745.8 g/sq m
Gauge	1/10 39.4 rows/ 10 cm	
Stitches Per Inch	10.5 stitches / inch	41.3 stitches/10 cm
Finished Pile Height	0.157 inch	4.0 mm
0.079 inch	2.0 mm	
Total Finished Weight	60.2 oz/sq yd	2041 g/sq m
Fiber System	Antron Lumena® Nylon	
Dye Method	Solution Dyed	
Kilotex	13.5	
Primary Backing	Woven Polypropylene	
Backing Construction	Super-Lok enriched latex backing	
Pattern Match	7.20" W x 2.29" L	182.9 mm W x 58.2 mm L
Width	12 feet	366 cm

Color Line

02481 Cemented Metal	02482 Wood Pulp	02483 Reclaimed Lumber
02484 Sandblasted	02489 Land Management	02490 Frozen Earth
02493 Forged Iron	02509 Organic Matter	02510 Electroplated
02512 Recycled Aluminum	02513 Crushed Glass	02514 Solar Engine

Product Testing / Info

IAQ Results	CCI/CRI Green Label Plus Registration Number GLP0025. (Low VOC emitter.)
Methenamine Pill	Meets CAN/CGSB-4.2 No.27.6/DOC FF 1-70
Flooring Radiant Panel	ASTM E-648 Class I (Direct Gluedown)
Smoke Generation	Less than 450 (ASTM E-662)
Steiner Tunnel	ULC S102.2 Less than 300FS, 500SD
Soil Protection	ENSURE

The product, represented by averages of testing from random samplings of production lots, meets or exceeds the above Test Results

Warranties

10 Year Limited Abrasive Wear
10 Year Limited No Delamination or Edge Ravel
Lifetime Limited Anti-Static (Less than 3.5 kV)

Product Notes

The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for
All specifications are subject to normal manufacturing tolerances.
Dyelots may vary from samples.
Tandus Centiva reserves the right to change specifications and construction materials without notice due to raw material shortages or technological improvements, contact your representative for confirmation.
Antron Lumena® nylon has been certified by Scientific Certification Systems as an Environmentally Preferable Product.
optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

Installation and Maintenance

Carpet is a textile fabric, subject to stretch and/or shrinkage. An acceptable pattern match is achievable, however, a perfect pattern match cannot be guaranteed.
To achieve best results, more time should be allowed to install patterned carpet. This style has a definite pattern and must be installed according to pattern match procedures as outlined in Tandus Centiva installation specifications
For best side match and seam appearances, it is recommended to run seams perpendicular to external light sources.
Proper maintenance is critical to the long term performance of any carpet and should be written into the specification of a project.
Recommendations are available from your Tandus Centiva Representative.

Manufacturing Tolerances

Bow - 1" per 12' width
Skew - 1" per 12' width
Edge Straightness - +/- 1/2" variation
Pattern Elongation - 1" per 10'length

Launch Date

January 2010

Tandus | Centiva
A Tarkett Company

IMPULSE #44035

Product Specification Sheet

Face Construction	Imperial	Metric
Construction	Tufted Patterned Loop	
Tufted Pile Weight	22 oz/sq yd	745.8 g/sq m
Gauge	1/10 39.4 rows/ 10 cm	
Stitches Per Inch	10.5 stitches / inch	41.3 stitches/10 cm
Finished Pile Height	0.157 inch	4.0 mm
0.079 inch	2.0 mm	
Total Finished Weight	92.2 oz/sq yd	3126 g/sq m
Fiber System	Antron Lumena® Nylon	
Dye Method	Solution Dyed	
Kilotex	13.5	
Primary Backing	Woven Polypropylene	
Backing Construction	Ergostep High Density Polyurethane Cushion	
Pattern Match	7.20" W x 2.29" L	182.9 mm W x 58.2 mm L
Width	12 feet	366 cm
Total Recycled Content	10.6% overall post-industrial recycled content	

Color Line

02481 Cemented Metal	02482 Wood Pulp	02483 Reclaimed Lumber
02484 Sandblasted	02489 Land Management	02490 Frozen Earth
02493 Forged Iron	02509 Organic Matter	02510 Electroplated
02512 Recycled Aluminum	02513 Crushed Glass	02514 Solar Engine

Product Testing / Info

IAQ Results	CCI/CRI Green Label Plus Registration Number GLP7544
Methenamine Pill	Meets CAN/CGSB-4.2 No.27.6/DOC FF 1-70
Flooring Radiant Panel	ASTM E-648 Class I (Direct Gluedown)
Smoke Generation	Less than 450 (ASTM E-662)
Steiner Tunnel	ULC S102.2 Less than 300FS, 500SD
Soil Protection	ENSURE

The product, represented by averages of testing from random samplings of production lots, meets or exceeds the above Test Results

Warranties

10 Year Limited Abrasive Wear
10 Year Limited No Delamination or Edge Ravel
Lifetime Limited Anti-Static (Less than 3.5 kV)
10 Year Limited Backing Resiliency

Product Notes

The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for
All specifications are subject to normal manufacturing tolerances.
Dyelots may vary from samples.
Tandus Centiva reserves the right to change specifications and construction materials without notice due to raw material shortages or technological improvements, contact your representative for confirmation.
Antron Lumena® nylon has been certified by Scientific Certification Systems as an Environmentally Preferable Product.
optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

Installation and Maintenance

Carpet is a textile fabric, subject to stretch and/or shrinkage. An acceptable pattern match is achievable, however, a perfect pattern match cannot be guaranteed. To achieve best results, more time should be allowed to install patterned carpet. This style has a definite pattern and must be installed according to pattern match procedures as outlined in Tandus Centiva installation specifications
For best side match and seam appearances, it is recommended to run seams perpendicular to external light sources.
Proper maintenance is critical to the long term performance of any carpet and should be written into the specification of a project.
Recommendations are available from your Tandus Centiva Representative.

Manufacturing Tolerances

Bow - 1" per 12' width
Skew - 1" per 12' width
Edge Straightness - +/- 1/2" variation
Pattern Elongation - 1" per 10'length

Launch Date

January 2010

LVT

TILE + PLANK

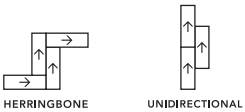
CONTOUR SERIES

ANTIQUE WOOD (CAN)

Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	32 mil (0.8 mm)
Edge Treatment:	Square (SE) or Slight Bevel (SB)
Emboss:	Optional Frost (FR) — Sawn (SW) Natural Grain (NG) — Straight Grain (ST) Quarry (QU) — Tick (TK) Rough (RG)
Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	18
Adhesive:	Tarkett RollSmart™, CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.
Installation Methods:	 HERRINGBONE UNIDIRECTIONAL

Product shown: CAN 3720

SIZES

3"x36" (7.62 cm x 91.44 cm)	6"x48" (15.24 cm x 121.92 cm)
4"x36" (10.16 cm x 91.44 cm)	7.2"x48" (18.29 cm x 121.92 cm)
6"x36" (15.24 cm x 91.44 cm)	9"x36" (22.86 cm x 91.44 cm)

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF≥0.45 watts/cm^2 NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	27.5% Preconsumer	
Materials:	No Heavy Metals; Non-Toluene Ink System	
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification	
Recyclability:	100% Recyclable through our ReStart® Program	
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring	LEED v4 MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials MRc5 Construction and Demolition Waste Management IEQc2 Low-Emitting Materials
Third-party Certification:	NSF/ANSI-332 Gold	
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System	
Packaging:	Packaged in recycled, corrugated cardboard	

floor score — CERTIFIED BY SCS Global Services

ReStart

UL CERTIFIED GOLD — PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/EL NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

Tarkett ReStart® Reclamation Program

ReStart®

Tarkett | THE ULTIMATE FLOORING EXPERIENCE

Johnsonite Tandus Centiva DESSO

ReStart®

As a leading manufacturer of commercial floorcoverings, Tarkett has a responsibility to make products that are safe for the people who use them and for the environment. That means we design our flooring to have a long, meaningful life and at the end of use, our products can be repurposed back into new flooring through the ReStart® Program. We were the first in the industry to reclaim and recycle soft surface flooring from the waste stream, the first to third-party certify a recycled content product and the industry's first to third-party certify a closed-loop reclamation and recycling program. Each day we recycle up to 90,000 pounds of flooring and waste, totaling more than 300 million pounds to date.

- The Architectural Sample Return Program repurposes unused and outdated samples returned from specifiers.
- Our Contractor Return Program reclaims clean installation flooring waste, and incorporates it into our new products.
- The Post-Consumer flooring recycling program recycles all soft surface and VCT flooring. We recommend using our releasable adhesive as it makes the floor easier to recycle. But, don't worry, we'll still take it back for recycling if you didn't.

We look at the economic, industrial and social frameworks that surround our products - constantly examining the methodologies and tools that allow us to produce flooring that can be reclaimed at the end of its useful life. And we strive to find innovative ways to reuse those materials and still produce the high performance and lasting products we are known for.

Frequently Asked Questions:

Is there a cost to recycle the floorcovering?

There is no charge to recycle approved floorcovering and accessories as long as Tarkett products are being purchased to replace the reclaimed floorcovering. The cost to recycle through the ReStart Program is generally less than the cost - containers, freight and tipping fees – to send to landfill.

What can be recycled?

All Tarkett installation waste can be returned. Any post consumer Tandus Centiva carpet or Tarkett VCT can be recycled in the ReStart Program. A Material Return Request Form must accompany all material to be recycled. If product to be returned was not manufactured by Tarkett, then a sample must be submitted with the request to verify compatibility. Prior approval must be obtained to return such products.

Will you accept all colors of VCT?

With VCT, preference is given to light colors such as beige, light grey and white. For soft surface materials all colors are accepted. If you have any questions, please contact your Tarkett representative.

Will Tarkett recycle broadloom carpet?

Broadloom carpet is incompatible with our in-house recycling process. However, Tarkett can facilitate the reclamation of broadloom carpet by third parties.

Is there a minimum or maximum amount that can be reclaimed?

No, there is no minimum amount required for recycling through the ReStart Program. Freight charges may apply for soft surface shipments less than 3,500 sq. yds. or VCT shipments less than 34,000 sq. ft. That is enough to fill a standard 53 ft. carpet trailer or 20 ft. container for VCT. If you have a lesser quantity, speak to your Tarkett account executive as we may have a local collection site that can store and combine smaller amounts.

How should the reclaimed material be packaged?

All carpet and VCT returned for recycling must be palletized for shipment. Material must be secured to a pallet using stretch wrap and/or banding. VCT may be placed in a cardboard gaylord if stacking is not practical. VCT and carpet cannot be packaged together. All material must be clean and dry and no metals, paper, wood, plastics or other materials may be mixed with the material being returned for recycling. Contact restart@tarkett.com for more specific instructions.

Can Tarkett provide documentation that the reclaimed floorcovering has been recycled?

Absolutely. Upon request, Tarkett will provide a certificate verifying the amount reclaimed and that all carpet or VCT returned to us will be recycled into new floorcovering.

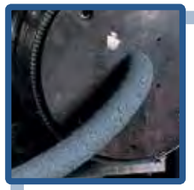
Recycling Process

Floorcovering Removed
Floorcovering is removed and placed on pallets for transport.

Transport
Pallets shipped by trailer or container, accommodating up to 4,000 square yards of floorcovering.

Restart Center
All reclaimed material is sent to one of our ReStart recycling centers in either Dalton, GA or Florence, AL.

SOFT SURFACE — VCT



Extruder
This blend is then extruded into a continuous pliable rope. A conveyor belt transports the material to the calender.

Pelletizer
Small carpet pieces are then processed into fine pellets. A computer controlled system uniformly blends the pelletized material by weight into new floorcovering.

Grinder
For both carpet and VCT, grinding the product into smaller pieces is the first step in the closed-loop program for recycling old floorcovering into new floorcovering.

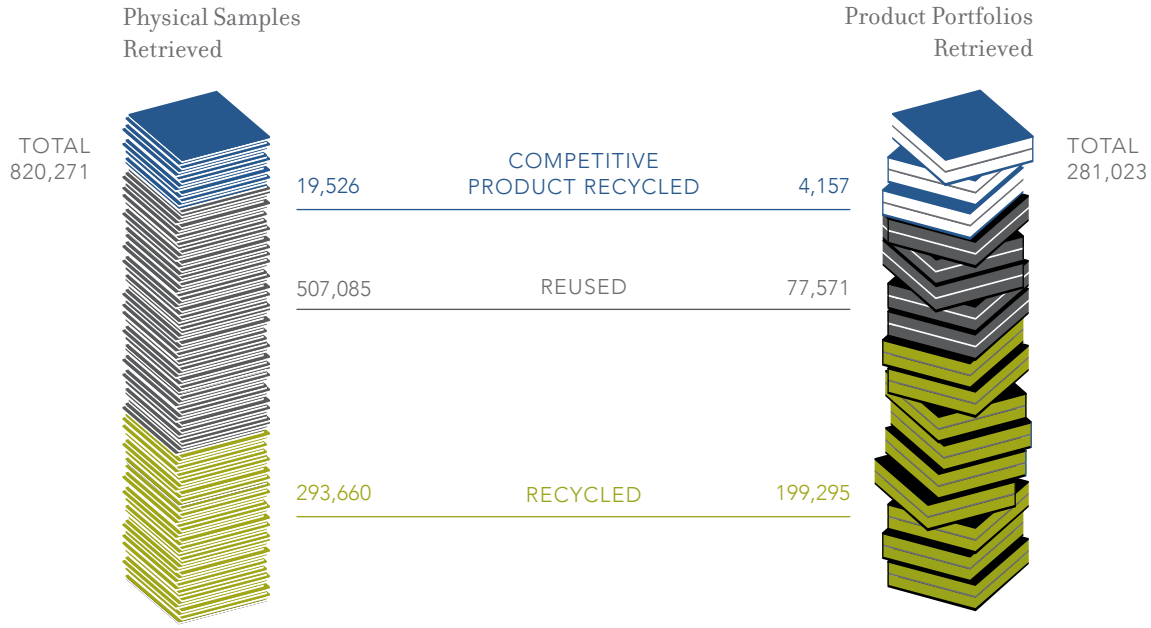
Calender
Hardened steel cylinders continuously form the pliable material into a recycled composite sheet.

Mixer
A continuous feed mixer takes this blend and mixes it with other ingredients to create VCT backing.

Mill
After grinding, small VCT pieces are sent through a mill process to create a consistent blend.

Backing
The recycled composite sheet becomes backing for our ER3® Modular carpet tile.

Our product portfolios are designed with deconstruction in mind so we are easily able to take them back, update them with new product and reuse them. We also reclaim and reuse or recycle sample material; 1,101,294 samples and portfolios have been reclaimed as of February 2017.



Recycling Made Easy

1. Contact your distributor for consolidator availability in your area.
2. Contact your local consolidator for instructions, labels and small bags.
3. To verify eligibility, a sample is required. Please contact your Tarkett regional representative. The sample will be analyzed to determine the recyclability of the product.
4. Your local representative will notify you once the material is approved.
5. Our Reclamation Customer Service Representative will get in touch, providing you with an MRA (Material Return Authorization) number as well as a Recycling agreement.
6. Attach appropriate labels on all sides and close the bag/box.
7. Call the number on the MRA to schedule pickup and delivery.

Tarkett

30000 Aurora Road
Solon, OH 44139
800.899.8916 or 440.543.8916
tarkettna.com

Appendix G:

VALUE ADD

Please include any additional products and/or services not included in the scope of the solicitation that you think will enhance and/or add value to this contract for participating agencies. Your marketing plan and salesforce training plan as detailed in Appendix F will also be taken into account when evaluating your company's value add score.

Any additional products or services offered in this section will only be considered by Region 4 ESC if auditable pricing is offered for them in Appendix C. Any products or services for which pricing is not offered will not be considered a part of any contract awarded as a result of this RFP.

All products or services offered in this section are subject to the same requirements as products offered in Appendix B. Offerors must provide detailed descriptions of any additional products and services being offered as a part of their proposal, and Region 4 ESC reserves the right to reject any value add products or services which it deems to be unrelated to the scope of this RFP.

Tandus Centiva, a Tarkett Company has a family of brands. With that we can offer products that round out all of your floor covering needs. We are including our Johnsonite products in Appendix C - Pricing. The product offerings include - homogeneous and heterogeneous vinyl sheet, homogeneous vinyl tile, linoleum sheet, solid vinyl SVT, vinyl enhanced tile VET, composition tile VCT, solid rubber tile, speckled rubber tile, multi purpose rubber tile and sheet, specialty rubber tile, rubber sheet, wall base, solid or speckled rubber tread, vinyl stair treads and nosings, adhesives, and weld rod.

Below are two additional offerings that allow us to further support your flooring and design needs, please contact the account executive for additional information and pricing -

IMAGINATIONS™

IMAGINATIONS Custom Floor Design makes the most intricate designs possible. Logos, corporate messaging, school mascots, government seals, unique images, or any idea you imagine can become art on a horizontal plane. We can bring your design together with Powerbond®, our hybrid resilient sheet floor covering. The resilient closed cell construction of Powerbond allows for easy cutting and endless seaming that is permanently welded together during installation.

Collections Infinies

Collections Infinies doesn't just give you options. It opens the door of Co-Creation and allows you to elevate your designs with our renowned designers. It's a unique breakthrough in LVT that breathes life into the design process. Here, you'll experience the inspiration of some of the most influential design minds of our time and meld it with your own creative process. Featuring state-of-the-art digital print technology, the possibilities for customization are as expansive as your imagination. And the results are nothing short of breathtaking.

Appendix H:
ADDITIONAL REQUIRED DOCUMENTS

DOC #1 Clean Air and Water Act

DOC #2 Debarment Notice

DOC #3 Lobbying Certification

DOC #4 Contractor Certification Requirements

DOC #5 Antitrust Certification Statements

DOC #6 Implementation of House Bill 1295 Certificate of Interested Parties (Form 1295)

DOC #7 EDGAR Certifications

FOR VENDORS INTENDING TO DO BUSINESS IN NEW JERSEY:

DOC #8 Ownership Disclosure Form

DOC #9 Non-Collusion Affidavit

DOC #10 Affirmative Action Affidavit

DOC #11 Political Contribution Disclosure Form

DOC #12 Stockholder Disclosure Certification

DOC #13 Certification of Non-Involvement in Prohibited Activities in Iran

DOC #14 New Jersey Business Registration Certificate

New Jersey vendors are also required to comply with the following New Jersey statutes when applicable:

All anti-discrimination laws, including those contained in N.J.S.A. 10:2-1 through N.J.S.A. 10:2-14, N.J.S.A. 10:5-1, and N.J.S.A. 10:5-31 through 10:5-38.

Compliance with Prevailing Wage Act, N.J.S.A. 34:11-56.26, for all contracts within the contemplation of the Act.

Compliance with Public Works Contractor Registration Act, N.J.S.A. 34:11-56.26

Bid and Performance Security, as required by the applicable municipal or state statutes.

DOC #1

Clean Air and Water Act

I, the Vendor, am in compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act of 1970, as Amended (42 U.S. C. 1857 (h), Section 508 of the Clean Water Act, as amended (33 U.S.C. 1368), Executive Order 117389 and Environmental Protection Agency Regulation, 40 CFR Part 15 as required under OMB Circular A-102, Attachment O, Paragraph 14 (1) regarding reporting violations to the grantor agency and to the United States Environment Protection Agency Assistant Administrator for the Enforcement.

Potential Vendor: Tandus Centiva US LLC

Title of Authorized Representative: President

Mailing Address: 311 Smith Industrial Blvd Dalton GA 30721

Signature: _____

Leonard F. Ferro

DOC #2

Debarment Notice

I, the Vendor, certify that my company has not been debarred, suspended or otherwise ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension", as described in the Federal Register and Rules and Regulations.

Potential Vendor: Tandus Centiva US LLC

Title of Authorized Representative: President

Mailing Address: 311 Smith Industrial Blvd. Dalton GA 30721

Signature: _____

Leonard F. Ferro

DOC #3

LOBBYING CERTIFICATION

Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by Section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The undersigned certifies, to the best of his/her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all covered sub-awards exceeding $100,000 in Federal funds at all appropriate tiers and that all sub-recipients shall certify and disclose accordingly.

Signature of Offeror

Leonard F. Ferro
President

October 9, 2017
Date

DOC #4 CONTRACTOR CERTIFICATION REQUIREMENTS

Contractor's Employment Eligibility

By entering the contract, Contractor warrants compliance with the Federal Immigration and Nationality Act (FINA), and all other federal and state immigration laws and regulations. The Contractor further warrants that it is in compliance with the various state statues of the states it is will operate this contract in.

Participating Government Entities including School Districts may request verification of compliance from any Contractor or subcontractor performing work under this Contract. These Entities reserve the right to confirm compliance in accordance with applicable laws.

Should the Participating Entities suspect or find that the Contractor or any of its subcontractors are not in compliance, they may pursue any and all remedies allowed by law, including, but not limited to: suspension of work, termination of the Contract for default, and suspension and/or debarment of the Contractor. All costs necessary to verify compliance are the responsibility of the Contractor.

The Offeror complies and maintains compliance with the appropriate statutes which requires compliance with federal immigration laws by State employers, State contractors and State subcontractors in accordance with the E-Verify Employee Eligibility Verification Program.

Contractor shall comply with governing board policy of the Region 4 ESC Participating entities in which work is being performed.

Fingerprint and Background Checks

If required to provide services on school district property at least five (5) times during a month, contractor shall submit a full set of fingerprints to the school district if requested of each person or employee who may provide such service. Alternately, the school district may fingerprint those persons or employees. An exception to this requirement may be made as authorized in Governing Board policy. The district shall conduct a fingerprint check in accordance with the appropriate state and federal laws of all contractors, subcontractors or vendors and their employees for which fingerprints are submitted to the district. Contractor, subcontractors, vendors and their employees shall not provide services on school district properties until authorized by the District.

The Offeror shall comply with fingerprinting requirements in accordance with appropriate statutes in the state in which the work is being performed unless otherwise exempted.

Contractor shall comply with governing board policy in the school district or Participating Entity in which work is being performed.

Business Operations in Sudan, Iran

In accordance with A.R.S. 35-391 and A.R.S. 35-393, the Contractor hereby certifies that the contractor does not have scrutinized business operations in Sudan and/or Iran.

Signature of Offeror

Leonard F. Ferro, President October 9, 2017

DOC #5

ANTITRUST CERTIFICATION STATEMENTS
(Tex. Government Code § 2155.005)

I affirm under penalty of perjury of the laws of the State of Texas that:

1. I am duly authorized to execute this contract on my own behalf or on behalf of the company,
corporation, firm, partnership or individual (Company) listed below;

2. In connection with this proposal, neither I nor any representative of the Company has violated any provision of the Texas Free Enterprise and Antitrust Act, Tex. Bus. & Comm. Code Chapter 15;

3. In connection with this proposal, neither I nor any representative of the Company has violated any federal antitrust law; and

4. Neither I nor any representative of the Company has directly or indirectly communicated any of the contents of this proposal to a competitor of the Company or any other company, corporation, firm, partnership or individual engaged in the same line of business as the Company.

Vendor Tandus Centiva US LLC

Address 311 Smith Industrial Blvd

Dalton GA 30721

Phone 706-281-2730

Fax 706-259-2657

Offeror _____
Signature

Leonard F. Ferro
Printed Name

President
Position with Company

Authorizing Official _____
Signature

Leonard F. Ferro
Printed Name

President
Position with Company

DOC # 6

Implementation of House Bill 1295

Certificate of Interested Parties (Form 1295):

In 2015, the Texas Legislature adopted House Bill 1295, which added section 2252.908 of the Government Code. The law states that a governmental entity or state agency may not enter into certain contracts with a business entity unless the business entity submits a disclosure of interested parties to the governmental entity or state agency at the time the business entity submits the signed contract to the governmental entity or state agency. The law applies only to a contract of a governmental entity or state agency that either (1) requires an action or vote by the governing body of the entity or agency before the contract may be signed or (2) has a value of at least $1 million. The disclosure requirement applies to a contract entered into on or after January 1, 2016.

The Texas Ethics Commission was required to adopt rules necessary to implement that law, prescribe the disclosure of interested parties form, and post a copy of the form on the commission's website. The commission adopted the Certificate of Interested Parties form (Form 1295) on October 5, 2015. The commission also adopted new rules (Chapter 46) on November 30, 2015, to implement the law. The commission does not have any additional authority to enforce or interpret House Bill 1295.

Filing Process:

Staring on January 1, 2016, the commission will make available on its website a new filing application that must be used to file Form 1295. A business entity must use the application to enter the required information on Form 1295 and print a copy of the completed form, which will include a certification of filing that will contain a unique certification number. An authorized agent of the business entity must sign the printed copy of the form and have the form notarized. The completed Form 1295 with the certification of filing must be filed with the governmental body or state agency with which the business entity is entering into the contract.

The governmental entity or state agency must notify the commission, using the commission's filing application, of the receipt of the filed Form 1295 with the certification of filing not later than the 30th day after the date the contract binds all parties to the contract. The commission will post the completed Form 1295 to its website within seven business days after receiving notice from the governmental entity or state agency.

Information regarding how to use the filing application will be available on this site starting on January 1, 2016.

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

Tandus | Centiva
A Tarkett Company

World Headquarters
311 Smith Industrial Blvd.
Dalton, Georgia 30721

(800) 248-2878
www.tandus-centiva.com

Doc # 6

Implementation of House Bill 1295
Certificate of Interested Parties

Inapplicable

DOC #7

EDGAR CERTIFICATIONS
ADDENDUM FOR AGREEMENT FUNDED BY U.S. FEDERAL GRANT

TO WHOM IT MAY CONCERN:

REGION 4 EDUCATION SERVICE CENTER is in the process of ensuring that all policies and procedures involving the expenditure of federal funds are compliant with the new Education Department General Administrative Guidelines ("EDGAR"). Part of this process involves ensuring that all current vendors agree to comply with EDGAR. You must complete this form and return to REGION 4 EDUCATION SERVICE CENTER along with your proposal.

The following certifications and provisions are required and apply when REGION 4 EDUCATION SERVICE CENTER expends federal funds for any contract resulting from this procurement process. Pursuant to 2 C.F.R. § 200.326, all contracts, including small purchases, awarded by the Agency and the Agency's subcontractors shall contain the procurement provisions of Appendix II to Part 200, as applicable.

REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY CONTRACTS UNDER FEDERAL AWARDS
APPENDIX II TO 2 CFR PART 200

(A) Contracts for more than the simplified acquisition threshold currently set at $150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Pursuant to Federal Rule (A) above, when REGION 4 EDUCATION SERVICE CENTER expends federal funds, REGION 4 EDUCATION SERVICE CENTER reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party.

Does Vendor agree? YES ll Initials of Authorized Representative of Vendor

(B) Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of $10,000)

Pursuant to Federal Rule (B) above, when REGION 4 EDUCATION SERVICE CENTER expends federal funds, REGION 4 EDUCATION SERVICE CENTER reserves the right to immediately terminate any agreement in excess of $10,000 resulting from this procurement process in the event of a breach or default of the agreement by Vendor in the event Vendor fails to: (1) meet schedules, deadlines, and/or delivery dates within the time specified in the procurement solicitation, contract, and/or a purchase order; (2) make any payments owed; or (3) otherwise perform in accordance with the contract and/or the procurement solicitation. REGION 4 EDUCATION SERVICE CENTER also reserves the right to terminate the contract immediately, with written notice to vendor, for convenience, if REGION 4 EDUCATION SERVICE CENTER believes, in its sole discretion that it is in the best interest of REGION 4 EDUCATION SERVICE CENTER to do so. Vendor will be compensated for work performed and accepted and goods accepted by REGION 4 EDUCATION SERVICE CENTER as of the termination date if the contract is terminated for convenience of REGION 4 EDUCATION SERVICE CENTER. Any award under this procurement process is not exclusive and REGION 4 EDUCATION SERVICE CENTER reserves the right to purchase goods and services from other vendors when it is in REGION 4 EDUCATION SERVICE CENTER's best interest.

Does Vendor agree? YES ll Initials of Authorized Representative of Vendor

(C) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375,

"Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

Pursuant to Federal Rule (C) above, when REGION 4 EDUCATION SERVICE CENTER expends federal funds on any federally assisted construction contract, the equal opportunity clause is incorporated by reference herein.

Does Vendor agree to abide by the above? YES _____ Initials of Authorized Representative of Vendor

(D) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of $2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non- Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

Pursuant to Federal Rule (D) above, when REGION 4 EDUCATION SERVICE CENTER expends federal funds during the term of an award for all contracts and subgrants for construction or repair, Vendor will be in compliance with all applicable Davis-Bacon Act provisions.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(E) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of $100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Pursuant to Federal Rule (E) above, when REGION 4 EDUCATION SERVICE CENTER expends federal funds, Vendor certifies that Vendor will be in compliance with all applicable provisions of the Contract Work Hours and Safety Standards Act during the term of an award for all contracts by REGION 4 EDUCATION SERVICE CENTER resulting from this procurement process.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(F) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

Pursuant to Federal Rule (F) above, when federal funds are expended by REGION 4 EDUCATION SERVICE CENTER, the vendor certifies that during the term of an award for all contracts by REGION 4 EDUCATION SERVICE CENTER resulting from this procurement process, the vendor agrees to comply with all applicable requirements as referenced in Federal Rule (F) above.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(G) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of $150,000 must contain a provision that requires the non- Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to Federal Rule (G) above, when federal funds are expended by REGION 4 EDUCATION SERVICE CENTER, the vendor certifies that during the term of an award for all contracts by REGION 4 EDUCATION SERVICE CENTER member resulting from this procurement process, the vendor agrees to comply with all applicable requirements as referenced in Federal Rule (G) above.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(H) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to Federal Rule (H) above, when federal funds are expended by REGION 4 EDUCATION SERVICE CENTER, the vendor certifies that during the term of an award for all contracts by REGION 4 EDUCATION SERVICE CENTER resulting from this procurement process, the vendor certifies that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(I) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

Pursuant to Federal Rule (I) above, when federal funds are expended by REGION 4 EDUCATION SERVICE CENTER, the vendor certifies that during the term and after the awarded term of an award for all contracts by REGION 4 EDUCATION SERVICE CENTER resulting from this procurement process, the vendor certifies that it is in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352). The undersigned further certifies that:

(1) No Federal appropriated funds have been paid or will be paid for on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all covered sub-awards exceeding $100,000 in Federal funds at all appropriate tiers and that all subrecipients shall certify and disclose accordingly.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

RECORD RETENTION REQUIREMENTS FOR CONTRACTS INVOLVING FEDERAL FUNDS

When federal funds are expended by REGION 4 EDUCATION SERVICE CENTER for any contract resulting from this procurement process, Vendor certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. The Vendor further certifies that Vendor will retain all records as required by 2 CFR § 200.333 for a period of three years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

CERTIFICATION OF COMPLIANCE WITH THE ENERGY POLICY AND CONSERVATION ACT

When REGION 4 EDUCATION SERVICE CENTER expends federal funds for any contract resulting from this procurement process, Vendor certifies that it will comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6321 et seq.; 49 C.F.R. Part 18).

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

CERTIFICATION OF COMPLIANCE WITH BUY AMERICA PROVISIONS

Vendor certifies that Vendor is in compliance with all applicable provisions of the Buy America Act. Purchases made in accordance with the Buy America Act must still follow the applicable procurement rules calling for free and open competition.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

CERTIFICATION OF ACCESS TO RECORDS – 2 C.F.R. § 200.336

Vendor agrees that the Inspector General of the Agency or any of their duly authorized representatives shall have access to any books, documents, papers and records of Vendor that are directly pertinent to Vendor's discharge of its obligations under the Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Vendor's personnel for the purpose of interview and discussion relating to such documents.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

CERTIFICATION OF APPLICABILITY TO SUBCONTRACTORS

Vendor agrees that all contracts it awards pursuant to the Contract shall be bound by the foregoing terms and conditions.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

Vendor agrees to comply with all federal, state, and local laws, rules, regulations and ordinances, as applicable. It is further acknowledged that vendor certifies compliance with all provisions, laws, acts, regulations, etc. as specifically noted above.

Vendor's Name:
Tandus Centiva US LLC

Address, City, State, and Zip Code:
311 Smith Industrial Blvd Dalton GA 30721

Phone Number: 706-281-2730 Fax Number: 706-259-2657

Printed Name and Title of Authorized Representative:
Leonard F. Ferro, President

Email Address: jamie.collins@tarkett.com

Signature of Authorized Representative: _____ Date: October 9, 2017

DOC #8

OWNERSHIP DISCLOSURE FORM
(N.J.S. 52:25-24.2)

Pursuant to the requirements of P.L. 1999, Chapter 440 effective April 17, 2000 (Local Public Contracts Law), the Offeror shall complete the form attached to these specifications listing the persons owning 10 percent (10%) or more of the firm presenting the proposal.

Company Name: Tandus Centiva US LLC

Street: 311 Smith Industrial Blvd

City, State, Zip Code: Dalton GA 30721

Complete as appropriate:

I _____, certify that I am the sole owner of _____, that there are no partners and the business is not incorporated, and the provisions of N.J.S. 52:25-24.2 do not apply.

OR:

I _____, a partner in _____, do hereby certify that the following is a list of all individual partners who own a 10% or greater interest therein. I further certify that if one (1) or more of the partners is itself a corporation or partnership, there is also set forth the names and addresses of the stockholders holding 10% or more of that corporation's stock or the individual partners owning 10% or greater interest in that partnership.

OR:

I Leonard F. Ferro, *an authorized representative of* Tandus Centiva US LLC, *a corporation, do hereby certify that the following is a list of the names and addresses of all stockholders in the corporation who own 10% or more of its stock of any class. I further certify that if one (1) or more of such stockholders is itself a corporation or partnership, that there is also set forth the names and addresses of the stockholders holding 10% or more of the corporation's stock or the individual partners owning a 10% or greater interest in that partnership.*

(Note: If there are no partners or stockholders owning 10% or more interest, indicate none.)

Name	Address	Interest
Tandus Centiva INC	311 Smith Industrial Blvd	100%

I further certify that the statements and information contained herein, are complete and correct to the best of my knowledge and belief.

October 9, 2017
Date

Authorized Signature and Title

DOC #9

NON-COLLUSION AFFIDAVIT

Company Name: Tandus Centiva US LLC

Street: 311 Smith Industrial Blvd

City, State, Zip Code: Dalton GA 30721

State of Georgia

County of Whitfield

I, Leonard F. Ferro *Name* *of the* Dalton *City*

in the County of Whitfield, *State of* Georgia
of full age, being duly sworn according to law on my oath depose and say that:

I am the President *Title* *of the firm of* Tandus Centiva US LLC *Company Name*

the Offeror making the Proposal for the goods, services or public work specified under the attached proposal, and that I executed the said proposal with full authority to do so; that said Offeror has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above proposal, and that all statements contained in said proposal and in this affidavit are true and correct, and made with full knowledge that Region 4 *relies upon the truth of the statements contained in said proposal and in the statements contained in this affidavit in awarding the contract for the said goods, services or public work.*

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by

Tandus Centiva US LLC
Company Name

Authorized Signature & Title
Leonard F. Ferro, President

Subscribed and sworn before me

this 9 day of October, 2017

Notary Public of Murray County

My commission expires July 16, 2019

SEAL

NOAH CARLIN NOTARY PUBLIC MURRAY COUNTY, GEORGIA MY COMMISSION EXPIRES JULY 16, 2019

DOC #10

AFFIRMATIVE ACTION AFFIDAVIT
(P.L. 1975, C.127)

Company Name: Tandus Centiva US LLC

Street: 311 Smith Industrial Blvd

City, State, Zip Code: Dalton GA 30721

Proposal Certification:

Indicate below your compliance with New Jersey Affirmative Action regulations. Your proposal will be accepted even if you are not in compliance at this time. No contract and/or purchase order may be issued, however, until all Affirmative Action requirements are met.

Required Affirmative Action Evidence:

Procurement, Professional & Service Contracts (Exhibit A)
Vendors must submit with proposal:

1. A photo copy of their Federal Letter of Affirmative Action Plan Approval

OR

X 2. A photo copy of their Certificate of Employee Information Report

OR

3. A complete Affirmative Action Employee Information Report (AA302)

Public Work – Over $50,000 Total Project Cost:

A. No approved Federal or New Jersey Affirmative Action Plan. We will complete Report Form AA201-A upon receipt from the _____ _____

B. Approved Federal or New Jersey Plan – certificate enclosed X

I further certify that the statements and information contained herein, are complete and correct to the best of my knowledge and belief.

October 9, 2017
Date

Authorized Signature and Title
Leonard F. Ferro, President

P.L. 1995, c. 127 (N.J.A.C. 17:27)
MANDATORY AFFIRMATIVE ACTION LANGUAGE

PROCUREMENT, PROFESSIONAL AND SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this non-discrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisement for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation.

The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to P.L. 1975, c. 127, as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to attempt in good faith to employ minority and female workers trade consistent with the applicable county employment goal prescribed by N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, C.127, as amended and supplemented from time to time or in accordance with a binding determination of the applicable county employment goals determined by the Affirmative Action Office pursuant to N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, C.127, as amended and supplemented from time to time.

The contractor or subcontractor agrees to inform in writing appropriate recruitment agencies in the area, including employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of it testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the state of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

The contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and lay-off to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and conform with the applicable employment goals, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor and its subcontractors shall furnish such reports or other documents to the Affirmative Action Office as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Affirmative Action Office for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (NJAC 17:27).

Signature of Procurement Agent

Leonard F. Ferro, President

Doc #10

Certification 56280

CERTIFICATE OF EMPLOYEE INFORMATION REPORT

INITIAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of 15-JUL-2016 to 15-JUL-2019

TANDUS CENTIVA US LLC
311 SMITH INDUSTRIAL BLVD.
DALTON GA 30721

FORD M. SCUDDER
Acting State Treasurer

Doc #11

C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM
Public Agency Instructions

This page provides guidance to public agencies entering into contracts with business entities that are required to file Political Contribution Disclosure forms with the agency. **It is not intended to be provided to contractors.** What follows are instructions on the use of form local units can provide to contractors that are required to disclose political contributions pursuant to N.J.S.A. 19:44A-20.26 (P.L. 2005, c. 271, s.2). Additional information on the process is available in Local Finance Notice 2006-1 (http://www.nj.gov/dca/divisions/dlgs/resources/lfns_2006.html). Please refer back to these instructions for the appropriate links, as the Local Finance Notices include links that are no longer operational.

1. The disclosure is required for all contracts in excess of $17,500 that are **not awarded** pursuant to a "fair and open" process (N.J.S.A. 19:44A-20.7).
2. Due to the potential length of some contractor submissions, the public agency should consider allowing data to be submitted in electronic form (i.e., spreadsheet, pdf file, etc.). Submissions must be kept with the contract documents or in an appropriate computer file and be available for public access. **The form is worded to accept this alternate submission.** The text should be amended if electronic submission will not be allowed.
3. The submission must be **received from the contractor and** on file at least 10 days prior to award of the contract. Resolutions of award should reflect that the disclosure has been received and is on file.
4. The contractor must disclose contributions made to candidate and party committees covering a wide range of public agencies, including all public agencies that have elected officials in the county of the public agency, state legislative positions, and various state entities. The Division of Local Government Services recommends that contractors be provided a list of the affected agencies. This will assist contractors in determining the campaign and political committees of the officials and candidates affected by the disclosure.
    a. The Division has prepared model disclosure forms for each county. They can be downloaded from the "County PCD Forms" link on the Pay-to-Play web site at http://www.nj.gov/dca/divisions/dlgs/programs/lpcl.html#12. They will be updated from time-to-time as necessary.
    b. A public agency using these forms **should edit them to properly reflect the correct legislative district**(s). As the forms are county-based, **they list all legislative districts** in each county. **Districts that do not represent the public agency should be removed from the lists.**
    c. Some contractors may find it easier to provide a single list that covers all contributions, regardless of the county. These submissions are appropriate and should be accepted.
    d. The form may be used "as-is", subject to edits as described herein.
    e. The "Contractor Instructions" sheet is intended to be provided with the form. It is recommended that the Instructions and the form be printed on the same piece of paper. The form notes that the Instructions are printed on the back of the form; where that is not the case, the text should be edited accordingly.
    f. The form is a Word document and can be edited to meet local needs, and posted for download on web sites, used as an e-mail attachment, or provided as a printed document.
5. **It is recommended that the contractor also complete a "Stockholder Disclosure Certification." This will assist the local unit in its obligation to ensure that contractor did not make any prohibited contributions to the committees listed on the Business Entity Disclosure Certification in the 12 months prior to the contract (See Local Finance Notice 2006-7 for additional information on this obligation at**

http://www.nj.gov/dca/divisions/dlgs/resources/lfns_2006.html). **A sample Certification form is part of this package and the instruction to complete it is included in the Contractor Instructions. NOTE: This section is not applicable to Boards of Education.**

C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM
Contractor Instructions

Business entities (contractors) receiving contracts from a public agency that are NOT awarded pursuant to a "fair and open" process (defined at N.J.S.A. 19:44A-20.7) are subject to the provisions of P.L. 2005, c. 271, s.2 (N.J.S.A. 19:44A-20.26). This law provides that 10 days prior to the award of such a contract, the contractor shall disclose contributions to:

- any State, county, or municipal committee of a political party
- any legislative leadership committee*
- any continuing political committee (a.k.a., political action committee)
- any candidate committee of a candidate for, or holder of, an elective office:
    - of the public entity awarding the contract
    - of that county in which that public entity is located
    - of another public entity within that county
    - or of a legislative district in which that public entity is located or, when the public entity is a county, of any legislative district which includes all or part of the county

The disclosure must list reportable contributions to any of the committees that exceed $300 per election cycle that were made during the 12 months prior to award of the contract. See N.J.S.A. 19:44A-8 and 19:44A-16 for more details on reportable contributions.

N.J.S.A. 19:44A-20.26 itemizes the parties from whom contributions must be disclosed when a business entity is not a natural person. This includes the following:

- individuals with an "interest" ownership or control of more than 10% of the profits or assets of a business entity or 10% of the stock in the case of a business entity that is a corporation for profit
- all principals, partners, officers, or directors of the business entity or their spouses
- any subsidiaries directly or indirectly controlled by the business entity
- IRS Code Section 527 New Jersey based organizations, directly or indirectly controlled by the business entity and filing as continuing political committees, (PACs).

When the business entity is a natural person, "a contribution by that person's spouse or child, residing therewith, shall be deemed to be a contribution by the business entity." [N.J.S.A. 19:44A-20.26(b)] The contributor must be listed on the disclosure.

Any business entity that fails to comply with the disclosure provisions shall be subject to a fine imposed by ELEC in an amount to be determined by the Commission which may be based upon the amount that the business entity failed to report.

The enclosed list of agencies is provided to assist the contractor in identifying those public agencies whose elected official and/or candidate campaign committees are affected by the disclosure requirement. It is the contractor's responsibility to identify the specific committees to which contributions may have been made and need to be disclosed. The disclosed information may exceed the minimum requirement.

The enclosed form, a content-consistent facsimile, or an electronic data file containing the required details (along with a signed cover sheet) may be used as the contractor's submission and is disclosable to the public under the Open Public Records Act.

The contractor must also complete the attached Stockholder Disclosure Certification. This will assist the agency in meeting its obligations under the law. **NOTE: This section does not apply to Board of Education contracts.**

* N.J.S.A. 19:44A-3(s): "The term "legislative leadership committee" means a committee established, authorized to be established, or designated by the President of the Senate, the Minority Leader of the Senate, the Speaker of the General Assembly or the Minority Leader of the General Assembly pursuant to section 16 of P.L.1993, c.65 (C.19:44A-10.1) for the purpose of receiving contributions and making expenditures."

C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM

Required Pursuant to N.J.S.A. 19:44A-20.26

This form or its permitted facsimile must be submitted to the local unit no later than 10 days prior to the award of the contract.

Part I – Vendor Information

Vendor Name:	Tandus Centiva US LLC		
Address:	311 Smith Industrial Blvd		
City:	Dalton	State: GA	Zip: 30721

The undersigned being authorized to certify, hereby certifies that the submission provided herein represents compliance with the provisions of N.J.S.A. 19:44A-20.26 and as represented by the Instructions accompanying this form.

Signature	Printed Name	Title
	Leonard F. Ferro	President

Part II – Contribution Disclosure

Disclosure requirement: Pursuant to N.J.S.A. 19:44A-20.26 this disclosure must include all reportable political contributions (more than $300 per election cycle) over the 12 months prior to submission to the committees of the government entities listed on the form provided by the local unit.

☐ Check here if disclosure is provided in electronic form

Contributor Name	Recipient Name	Date	Dollar Amount
N/A			$

☐ Check here if the information is continued on subsequent page(s)

List of Agencies with Elected Officials Required for Political Contribution Disclosure
N.J.S.A. 19:44A-20.26

County Name:
State: Governor, and Legislative Leadership Committees
Legislative District #s:
State Senator and two members of the General Assembly per district.

County:

Freeholders	County Clerk	Sheriff
{County Executive}	Surrogate	

Municipalities (Mayor and members of governing body, regardless of title):

USERS SHOULD CREATE THEIR OWN FORM, OR DOWNLOAD FROM THE PAY TO PLAY SECTION OF THE DLGS WEBSITE A COUNTY-BASED, CUSTOMIZABLE FORM.

DOC #12

STOCKHOLDER DISCLOSURE CERTIFICATION

Name of Business:

☒ I certify that the list below contains the names and home addresses of all stockholders holding 10% or more of the issued and outstanding stock of the undersigned.

OR

☐ I certify that no one stockholder owns 10% or more of the issued and outstanding stock of the undersigned.

Check the box that represents the type of business organization:

☐ Partnership ☐ Corporation ☐ Sole Proprietorship

☐ Limited Partnership ☒ Limited Liability Corporation ☐ Limited Liability Partnership

☐ Subchapter S Corporation

Sign and notarize the form below, and, if necessary, complete the stockholder list below.

Stockholders:

Name: Tandus Centiva INC Home Address: 311 Smith Industrial Blvd Dalton GA 30721	Name: Home Address:
Name: Home Address:	Name: Home Address:
Name: Home Address:	Name: Home Address:

Subscribed and sworn before me this 9 day of October, 2017

(Notary Public)

My Commission expires: July 16, 2019

NOAH P. CORBIN NOTARY PUBLIC MURRAY COUNTY, GEORGIA MY COMMISSION EXPIRES JULY 16, 2019

(Affiant)

Leonard F. Ferro, President
(Print name & title of affiant)

(Corporate Seal)

DOC #13

Certification of Non-Involvement in Prohibited Activities in Iran

Pursuant to N.J.S.A. 52:32-58, Offerors must certify that neither the Offeror, nor any of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32 – 56(e) (3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32 – 56(f).

Offerors wishing to do business in New Jersey through this contract must fill out the Certification of Non-Involvement in Prohibited Activities in Iran here: http://www.state.nj.us/humanservices/dfd/info/standard/fdc/disclosure_investmentact.pdf.

Offerors should submit the above form completed with their proposal.

STATE OF NEW JERSEY -- DIVISION OF PURCHASE AND PROPERTY
DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Quote Number: _____ **Bidder/Offeror:** Tandus Centiva US LLC

PART 1: CERTIFICATION
BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX.
FAILURE TO CHECK ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE.

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf. Bidders **must** review this list prior to completing the below certification. **Failure to complete the certification will render a bidder's proposal non-responsive.** If the Director finds a person or entity to be in violation of law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party

PLEASE CHECK THE APPROPRIATE BOX:

☑ **I certify, pursuant to Public Law 2012, c. 25, that neither the bidder listed above nor any of the bidder's parents, subsidiaries, or affiliates is listed** on the N.J. Department of the Treasury"s list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. **I will skip Part 2 and sign and complete the Certification below.**

OR

☐ **I am unable to certify as above because the bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below.** Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN
You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

EACH BOX WILL PROMPT YOU TO PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, CLICK THE "ADD AN ADDITIONAL ACTIVITIES ENTRY" BUTTON.

Name N/A Relationship to Bidder/Offeror _____

Description of Activities _____

Duration of Engagement _____ Anticipated Cessation Date _____

Bidder/Offeror Contact Name _____ Contact Phone Number _____

ADD AN ADDITIONAL ACTIVITIES ENTRY

Certification: I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that the State of New Jersey is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State to notify the State in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with the State of New Jersey and that the State at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): Leonard F. Ferro Signature: _____

Title: President Date: October 9, 2017

DOC #14

NEW JERSEY BUSINESS REGISTRATION CERTIFICATE
(N.J.S.A. 52:32-44)

Offerors wishing to do business in New Jersey must submit their State Division of Revenue issued Business Registration Certificate with their proposal here. Failure to do so will disqualify the Offeror from offering products or services in New Jersey through any resulting contract.

http://www.state.nj.us/treasury/revenue/forms/njreg.pdf

Doc # 14

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name:	TANDUS CENTIVA US LLC
Trade Name:	
Address:	311 SMITH INDUSTRIAL BLVD DALTON, GA 30721
Certificate Number:	1674385
Effective Date:	November 03, 2011
Date of Issuance:	September 21, 2017

For Office Use Only:

20170921111635958

ACKNOWLEDGMENT AND ACCEPTANCE OF REGION 4 ESC's OPEN RECORDS POLICY

Signature below certifies complete acceptance of Region 4 ESC's Open Records Policy, except as noted below (additional pages may be attached, if necessary).

Check one of the following responses to the Acknowledgment and Acceptance of Region 4 ESC's Open Records Policy below:

We acknowledge Region 4 ESC's Open Records Policy and declare that no information submitted with this proposal, or any part of our proposal, is exempt from disclosure under the Public Information Act.

(*Note: All information believed to be a trade secret or proprietary must be listed below. It is further understood that failure to identify such information, in strict accordance with the instructions below, will result in that information being considered public information and released, if requested under the Public Information Act.)*

☒ We declare the following information to be a trade secret or proprietary and exempt from disclosure under the Public Information Act.

(Note: Offeror must specify page-by-page and line-by-line the parts of the response, which it believes, are exempt. In addition, Offeror must specify which exception(s) are applicable and provide detailed reasons to substantiate the exception(s).

Product line and pricing

October 9, 2017
Date

Authorized Signature & Title

Leonard F. Ferro, President