

## HOW DIRTT PLAYS IN LEED V4

The two main categories in LEEDv4 that apply to DIRTT are Materials and Resources (MR) and Indoor Environmental Quality (EQ). Below is a summary of CI credits that DIRTT can contribute to.

**MRc1: Long term commitment (max. 10 years for interior).** DIRTT provides solutions that are adaptable to changing requirements while also providing the long-lasting qualities required to meet this credit.

**MRc2: Life cycle impact reduction.** This credit is intended to encourage adaptive reuse and to optimize environmental performance of products and materials. Option 3 in this credit was written specifically to recognize the benefits of premanufactured, modular assemblies such as DIRTT's. The credit states an interior must use at least three of seven avenues for achieving flexibility; DIRTT can contribute to the following option:

- Install accessible floor or ceiling systems for at least 50% of the project floor area;
- Design at least 50% of interior non-structural walls, ceilings, and floors to be movable or demountable;
- Ensure that at least 50% of non-structural materials by cost are reusable or recyclable; or
- Implement flexible power distribution (i.e. plug and play) systems for at least 50% of the floor area so that lighting, data, voice and other systems can be easily reconfigured and repurposed.

**MRc3: BPDO – Environmental Product Declarations.** Using Environmental Product Declarations (EPDs), we can educate designers and clients about material content. DIRTT's 15 EPDs meet the requirements for maximum credits as product-specific Type III EPDs. There is also an EPD available for the glulam used in DIRTT's Timber solutions.

**MRc4: BPDO – Sourcing of Raw Materials.** This credit requires that at least one of six options are met for at least 25% by cost of the total value of permanently installed products. DIRTT can contribute to numerous options.

- Cotton-denim insulation and Xorel fabric offer bio-based content.
- DIRTT offers FSC MDF and Veneer options.
- Recycled content is present in many of our materials in varying amounts. For detailed information or a material breakdown, please contact the green team.

**MRc5: BPDO – Material Ingredients.** This credit requires at least 20 products from 5 different manufacturers to demonstrate chemical inventory (to 1000ppm) through one of several options. DIRTT has a Health Product Declaration (HPD) for glass that can contribute. We can also offer HPDs for Xorel

**MRc6: Construction and demolition waste management.** This credit requires total waste materials at the project site to be reduced to 2.5 pounds per square foot (12.2 kg per square meter) of building floor area. Pre-manufactured interiors, such as DIRTT, are essential to achieving this.

**IEQc2: Low emitting materials.** DIRTT has numerous tested and certified assemblies that meet ANSI/BIFMA furniture emission standards (7.6.1 7.6.2) and CA 01350. The following assemblies are SCS Indoor Advantage Gold certified:

- Glass & Aluminum walls
- No Added formaldehyde (NAF) MDF and Chromacoat tiles
- Magnetic marker board on NAF MDF
- Thermofoil tiles on standard or NAF MDF
- Fabric tiles on NAF MDF
- Veneer on NAF MDF with green Gator Board backing
- Willow glass with NAF MDF
- WriteAway tile
- Millwork drawers
- MGO raised flooring assembly

**IEQc9: Acoustic Performance.** DIRTT projects can be customized to help the space meet acoustic requirements set by LEED. Please contact [info@dirtt.net](mailto:info@dirtt.net) to learn how projects can be specified for acoustics.

**Regional Priority.** DIRTT has a distributed manufacturing strategy with four factories located throughout North America. This increases the opportunity for projects to be sourced and manufactured within the 160 km (100 mile) radius set by LEED.

Once a project has reached the final design stage, the Sustainability Team can complete a LEED Calculation to show the breakdown of materials, costs, recycling content, regional content and provide all documentation needed for LEED submittals.

For more information, contact the [Greenteam@dirtt.com](mailto:Greenteam@dirtt.com).