



PROJECT HIGHLIGHT

EDUCATION

Hershey High School | Hershey, Pennsylvania



Aged Rubber Roof Replaced With High-Performance Modified Bitumen Roof System



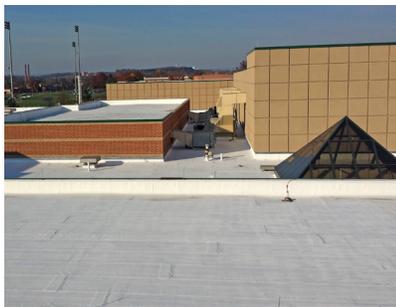
CHALLENGE

There have been spotty roof leaks all over the Hershey High School building for the last several years. The leaking occurred in classrooms, hallways, and in the cafeteria and ranged from mild to severe – sometimes only staining ceiling tiles and sometimes saturating them so much that they would fall down. In addition to the age of the EPDM rubber roof, the sharp limestone ballast on top of the school’s rubber roof had begun to puncture the roof membrane, further contributing to the leaking. Brian Varvel, director of buildings and grounds for the Derry Township School District, knew the roof needed to be replaced before the leaking caused any further damage.



SOLUTION

Varvel contacted local Garland representative, Marc Harder, who he had worked with on a previous roof project, to recommend a solution for the high school. After a thorough inspection of the roof, Harder, along with Professional Roofing Services, Inc., recommended the entire roof be replaced with a high-performance, two-ply modified bitumen system with a reflective coating. The original roof was removed down to the steel deck and a vapor barrier and multiple layers of new insulation were installed.



An 80-mil base sheet was installed with Garland’s StressPly® Plus FR Mineral high strength membrane installed as the cap sheet. The SBS modified, fiberglass/polyester reinforced membrane incorporates pre- and post-consumer recycled content, providing an environmentally friendly solution without sacrificing performance. The entire roof was then coated with Pyramic®, an ENERGY STAR® qualified acrylic coating designed to provide additional waterproofing protection and to help reduce under roof temperatures. A metal edge system was then installed to protect the vulnerable conditions around the roof perimeter.



Aware of the need to expedite the project so it was completed by the start of the school year, Harder recommended the district procure the project through U.S. Communities Government Purchasing Alliance™ (U.S. Communities) contract for roofing materials and related services currently held by Garland/DBS, Inc. Purchasing cooperatives such as U.S. Communities allow public agencies to pool their purchasing through nationally solicited contracts, helping to save time and money compared to traditional procurement methods.

Varvel was impressed with the success of the project and explained, “Between scheduling, product deliveries and project coordination, everything was fantastic. The job ran really smoothly without any major issues. I wish they were all like that.”

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