

## PROJECT PROFILE:

# How Spray Foam Was Installed 50% Faster and for Around \$1M Less

*Sustainable. Seamless. Solutions.*



### PROJECT NAME

Heskett Middle School

### CONTRACTOR

West Roofing Systems, Inc.

### TYPE

School

### SIZE

104,000 sq. ft.

### DURATION

37 days

### SYSTEM

PremiSEAL™ SPF and SeamlessSEAL®  
ULTRA HS Silicone over existing  
gravel built-up roof

### WARRANTY

20-year manufacturer's warranty



West Roofing Systems, Inc.

### A tight timeline and a strict budget

When the 20-year-old built-up roof of Heskett Middle School in Bedford Heights, Ohio, began to leak, the school district was dismayed when they learned the cost of tearing it off and replacing it. In addition to the cost issue, the project had a tight timeline because it would have to be completed during the students' summer vacation. Totally removing and replacing the 104,000-square-foot roof would drag into the fall, interrupting school activities, creating additional safety hazards, and complicating the project's scheduling and logistics. Heskett Middle School needed a quicker, less expensive solution than a complete roof tearoff and replacement.

### Exploring other options

The school district reached out to West Roofing Systems to see if there was another option. Established in 1979, West Roofing has installed over 60 million square feet of commercial and industrial roofs, and their project managers and applicators bring decades of experience to each job. West Roofing suggested that instead of tearing off and replacing the old roof, they could install a new spray polyurethane foam (SPF) system from Carlisle Roof Foam and Coatings right on top of it. Compared to the original quote they received, a CRFC SPF system would cost the school district about \$1 million less and could be installed in half the time.

CRFC's SPF roofs are fully adhered, self-flashing, lightweight, seamless, and seal all penetrations with no joints or fasteners. Additionally, SPF can be sprayed in a way that builds slope to enhance drainage and eliminate ponding water.



## Installation details

A crew of 10 from West Roofing Systems began by completing a roof survey with an infrared scan. Then they cleaned the roof with a hydro-vacuuming (or wet-vac) system. After the roof was clean, they removed and repaired the wet areas that were identified by the infrared scan. This ended up being about 10% of the total roof area. They also sealed multiple vertical walls and integrated them into the roof.

The crew's next step was applying an average of 2" of PremiSEAL SPF insulation to the field of the roof. PremiSEAL provides continuous insulation without thermal breaks and is lightweight and easy to maintain. After they were done applying SPF, they applied 30 mils of SeamlSeAL ULTRA HSLV Silicone Coating to protect the roof against water intrusion, UV exposure, and natural weathering. The crew's final step was to embed granules into the topcoat to provide slip resistance and add durability in high-traffic and high-wear roof areas.

The 104,000-square-foot job was completed in 37 days over summer vacation, and the school district received a 20-year manufacturer's warranty on the roof. Heskett Middle School students, teachers, and staff came back to a new roof that will provide protection for years to come.



Before



After

## About West Roofing Systems

West Roofing Systems is a commercial roofing contractor serving the Midwest, Southeast, and Northeast regions of the US. From inspection and application to routine maintenance, West Roofing has a roofing solution for any shape or size. Their philosophy is to take care of their customers so they continue to call on them for all of their roofing needs. Established in 1979, West Roofing has installed over 60 million square feet of commercial and industrial roofs, and their project managers and applicators bring decades of experience to each job.



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100 Enterprise Drive • Cartersville, GA 30120 • 844.922.2355  
[www.CarlisleRFC.com](http://www.CarlisleRFC.com)

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