



West Roofing Systems, Inc.

## Berea Municipal School District

**Customer Type:** Municipal School District  
**Project Size:** 522,595 square feet  
11 Buildings  
**Location:** Berea, Ohio



### Project

This re-roof project for the Berea City School District was economical and environmentally responsible. Eleven of 14 buildings in the district had roof leaks. STS financing, in conjunction with Ohio House Bill 254, allowed the district to finance energy improvements with proven paybacks. SPF roofing systems delivered the required R-11 insulation requirements and energy-savings benefits.

### Specifications

- Remove 385,000 square feet of roofing material, including existing BUR and EPDM membrane.
- Recycle a significant portion of the EPDM tear-off.
- Apply a 1.5" of spray polyurethane foam (SPF) over 522,595 square feet on multiple buildings.
- Apply 20-mills of silicone coating and broadcast roofing granules.
- Use environmentally responsible products and processes when possible.

### Implementation

The West Roofing crew completed this project in eight weeks. Roof removal included wet-vacuuming existing BUR and EPDM tear-off. Over 10,000 square feet of the EPDM removed from Berea City schools was recycled. Approximately 15,000 square feet of the applied SPF was 25% soy-based and 396,000 square feet of the applied silicone coating was solvent free.

### Customer Benefits

In addition to all of these buildings benefiting from cost-effective, watertight, and durable SPF roofing systems, West Roofing's installation of System 14™ from West Development Group (WDG) showcased ways that environmental responsibility can be applied to large-scale roof installations. No other roofing system qualified with the short-term payback on energy savings resulting from the R-11 insulation rating. The recycled EPDM diverted from landfills was reused in new roofing products, such as WDG's R2R™ silicone coating. The WDG solvent-free silicone coating used on 396,000 square feet of roof area prevented the release of approximately 3,000 gallons of solvent into the atmosphere. The soy-based SPF contained 25% renewable agricultural-based content.

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**West Roofing Systems, Inc.** is the contractor of choice for installing high quality, sustainable, spray polyurethane foam (SPF) roofing systems that waterproof, insulate, and protect commercial and industrial buildings.

Since 1979 West Roofing Systems has installed over 50 million square feet of commercial and industrial roofing. Universities, hospitals, government buildings, retail and industrial buildings, as well as military facilities illustrate the variety of architecture and projects in our portfolio.

**Turnkey Operations** provided by West Roofing help reduce architectural costs and streamline all phases of a roofing project, from initial inspection to the application of an energy efficient, insulated roof system. Follow-up maintenance and manufacturer warranties keep your SPF roof leak free for decades.

**A Single-Source Solution** for almost every roofing situation: **System 14™**. An exclusive, sustainable roofing system, System 14 features a silicone topcoat applied over a spray polyurethane foam (SPF) base, creating a seamless, durable roof covering that uses no mechanical fasteners – eliminating moisture and leakage.

With **Extensive Government and Military Experience**, West Roofing Systems is a preferred contractor for the Federal Government and the Department of Defense. Multiple roofing projects in the U.S. and the Middle East – including general construction government buildings and military installations – illustrate our ability to move the people, products, and equipment wherever they're needed around the globe to get the job done on time and within budget.

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