



West Roofing Systems, Inc.

## Ohio Turnpike Commission



**Customer Type:** Administration Building  
**Project Size:** 6,000 square feet  
**Location:** Berea, Ohio

### Project

Removing the existing 16-year-old roof system that developed two persistent leaks. The Ohio Turnpike Commission requested a long-term roofing solution that would provide energy savings, be as environmentally friendly as possible, and allow for continued facility operation during the project.

### Specifications

- Remove the roof's existing river rock ballast and EPDM membrane.
- Recycle the EPDM.
- Install new 1/2" thick high-density wood fiberboard with coated screws and 3" galvanized square plates per FM 1-90 wind uplift requirements.
- Apply a 2 1/2" of soy spray polyurethane foam (SPF) over fiberboard.
- Apply a 12-mill thick base coat of silicone coating and a 13-mill thick solvent-free topcoat.
- Broadcast ceramic roofing granules at 40 pounds per square before the topcoat cured.

### Implementation

A three-man West Roofing crew used an industrial vacuum truck to remove existing river rock ballast, then removed and loaded the EPDM membrane into crates for transport to West Development Group's recycling facility. An eight-man crew then installed the fiberboard to the existing insulation system, applied WDG soy-based SPF, WDG solvent-free silicone coating, and the ceramic roofing granules. Noise was kept to a minimum so turnpike commission work could continue in the building, spray booths and wind screens were used to prevent overspray on employee parking lots, and mechanical systems were shut down to prevent odors from entering the building. West Roofing completed the project in six days.

### Customer Benefits

West Roofing's SPF roof system provides the Ohio Turnpike Commission with a cost-effective, watertight, durable and environmentally beneficial roofing solution not available with other types of roofing systems. The recycled EPDM diverted from a local landfill was equal in volume to a full-size family sedan. The soy-based SPF contains 25% renewable agricultural-based content and the silicone topcoat contains 16% recycled EPDM.

#### West Roofing Systems

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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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