



West Roofing Systems, Inc.

## Airport

**Customer Type:** International Airport  
**Project Size:** 80,000 square feet  
**Location:** Ohio

### Project

During the winter months, a major concourse in this international airport developed over 30 leaks in the main corridor and in some of the vendor locations. Resulting damage was major and visible to airport travelers. There were also significant leaks in the communications room of the FAA tower. Temporary repairs by another contractor failed and roof replacement was now required. A full assessment of the roof, including core samples and an infrared moisture survey, identified saturated roof areas, as well as cracks in the roof penetrations and perimeter flashings.



### Specifications

- Remove gravel ballast and saturated roofing.
- Attach ½" DensDeck to areas of roof tear-off.
- Restore 8,000 square feet of EPDM in lieu of complete roof replacement.
- Apply 1.5" of spray polyurethane foam (SPF) over BUR roofs.
- Apply base coat, topcoat and granules.
- Repair and install waterproofing membrane over wall panel system in FAA tower.

### Implementation

West Roofing wet-vacuumed gravel ballast and saturated roofing, then attached DensDeck to areas of roof tear-off. The team applied 1.5" of West Development Group SPF on the BUR roofs with 20 mils of WDG R2R topcoat and granules over 80,000 square feet. An additional 8,000 square feet of EPDM roofing was repaired to avoid tear-off. West Roofing implemented a Membrane Restoration System, including power washing, priming, and repairing seams. A base coat of ecothane and a silicone topcoat were applied to form a monolithic seal over the restored EPDM. The crew then removed 3,000 square feet of insulated wall panel system, and installed a waterproofing membrane in the communications room of the FAA tower.

### Customer Benefits

West Roofing prepared a Ohio STS Structured proposal to secure funding for the project and streamlined the process, eliminating costly advertising for bids and AIA design fees. This was possible because West Roofing has had a long-term relationship with the airport. Because of previous projects at the airport, including a 45,000 square foot SPF roofing installation on another concourse, the West Roofing team is authorized with badges, training and background checks already in place for airport clearance. The project was recently completed to FAA satisfaction and all buckets, hoses, plastic and temporary ceiling covers have been removed.

#### West Roofing Systems

121 Commerce Drive • PO Box 505  
LaGrange, Ohio 44050 • 800.356.5748  
www.westroofingsystems.com

#### West Roofing Systems, Inc.

530 Bonifacious Rd. • PO Box 908  
Tunnel Hill, GA 30755  
1-800-356-5748



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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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