



Michael A. Ries Ice Rink: Spray Foam Roof cost-effectively helps ice rink stay at 32 degrees

PROJECT INFORMATION

Project Year: 2010

Project Size: 45,000 sq. ft.

Project Location: NE Ohio

Project Overview: Spray Polyurethane Foam over existing Gravel BUR

Manufacturer Used: West Development Group

The project was done after an energy audit showed how the energy efficiency of spray foam would help the facility maintain the required 32 degrees at a lower operating cost and provide energy savings for an estimated ROI of 6 years.

The project received State Grant funding and utilized the State of Ohio Co-operative Purchasing Program to award the contract on West's State Term Contract.

Part of the facility had an existing gravel built up roof, which was wet vacuumed off and disposed of properly. 1.5" of spray foam and WDG 540 R2R base and top coats were applied with granules.

The remainder of the facility, which was above the ice rink, had an existing granulated cap sheet roof assembly. This roof was prepared to accept 2" of new spray foam and WDG 540 R2R base and top coats with granules. The city owned property received a new 10 year warranty.

The building occupants notice a significant improvement in thermal comfort and the facility is experiencing reduced energy expenses.

Michael A Ries Ice Rink. Spray Polyurethane Roof Application - 2010



DcghInstallation Inspection



SPF Installation



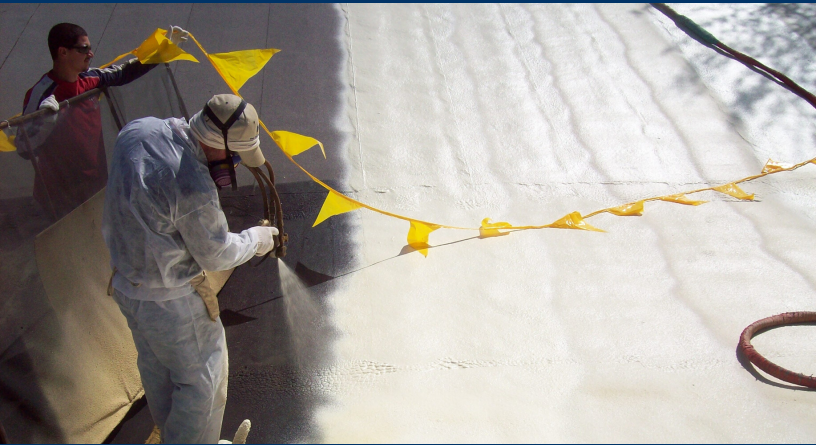
SPF Encapsulation Penetrations



SPF Encapsulation Penetrations



SPF Installation



SPF Installation



Granule Embedment



SPF's Monolithic Roof System