2.75 million board feet of Foam-Control® PLUS+® 150 was used to insulate the roof of the new 1.1 million square foot Uline distribution center in Pleasant Prairie, Wisconsin.

Construction of the new Uline distribution center, a million-plus square foot facility in Pleasant Prairie, Wisconsin, was completed in the summer of 2009. Its massive roof required installation of 2.75 million board feet of Foam-Control® PLUS+® 150 roof insulation.

According to Phil Hunt, VP Materials Management for Uline, material costs—as well as long-term thermal performance and speed of installation—were key factors in choosing Foam-Control® PLUS+® 150 roof insulation for the enormous roof. “Managing the costs to build, heat and cool a facility like this required a high level of scrutiny during the design and construction phases,” explained Hunt. Foam-Control® PLUS+® roof insulation was selected for the project because it provided all of these benefits in addition to meeting the project’s aggressive construction schedule. “After researching the cost and long-term performance of the different types of insulation available, we determined that Foam-Control® PLUS+® provided the most thermal protection for the least cost,” Hunt said.

Uline Distribution Center
• Pleasant Prairie, WI
• Summer 2009
• Foam-Control® PLUS+® 150 Roof Insulation
• 2.75 Million Board Feet

General Contractor
CG Schmidt

Architect
Eppstein Uhen

Roofing Contractor
Schranz Roofing and Sheet Metal

Continued on Page Two
Uline Distribution Center
(continued)

The large steel-framed structure consisted of pre-cast concrete walls and a structurally sloped steel roof deck. The roof design incorporated 245 sky lights to provide natural light while reducing electrical costs. One layer of 2.5” Foam-Control® PLUS+® 150 roof insulation was installed over a steel roof deck in a ballasted EPDM assembly. The membrane manufacturer, Firestone, awarded the project with its full system Red Shield warranty.

The roof insulation deliveries were quickly and easily unloaded from flatbed semi trailers using a crane. “Due to the size, location, and fast-tracked schedule on the Uline project, it was imperative that quality materials were delivered in a timely and consistent manner,” explained Chris Busalacchi, Vice President of Schranz Roofing and Sheet Metal. Busalacchi added, “ACH’s understanding of these requirements, and their commitment to fulfill them played a big part in making the project successful. We have worked with the people at ACH Foam for many years and consider them a valuable supplier of roof insulation to our company.”

Expanded polystyrene has been used nationwide for 40 years in commercial applications for its cost-effective, long-term R-value and easy-to-use tapered systems. Foam-Control® PLUS+® 150 roof insulation is available in a variety of densities, thicknesses and sizes, and comes with a 50-year thermal warranty. It contains no CFCs, HCFCs, or HFCs, is easily recyclable, and is used nationwide in LEED certified projects.

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Application
- EPDM Ballasted Assembly
- 2.5” Foam-Control® PLUS+® 150 Roof Insulation
- 2.75 Million Board Feet

EPS Facts
- 50-Year R-Value Warranty
- Meets ASTM C578
- Code listed and FM Approved
- UL QA Monitored, Tested, Certified, and Listed
- Recognized Component of LEED Certified Projects