Walgreens Distribution Center

Application

1,175,625 board feet of Foam-Control® PLUS+® 250 Angle Cut Flute Filler Roof Insulation was used to re-roof the Walgreens distribution facility in Windsor, Wisconsin.

Project Details

From October to November 2010, the first phase of the re-roofing project, contractors wanted a high-performance insulation that could be custom-fit to fill the unique geometry of the steel flutes of the vintage 1980’s standing seam roof. Their goal was twofold: provide as much R-value as possible while simultaneously flattening the roof deck.

“The original insulation consisted of batt insulation on the bottom side of the metal roof panel, totalling approximately 9.5-R” said Guy Snowden of RRK Associates, the commercial/industrial roof consulting firm on the project. According to Snowden, the new angle cut flute filler roof insulation was selected for several factors:

- Service life and durability
- Minimum weight gain to existing structure due to low slope of existing roof and anticipated snow loads
- Ability to add additional high R-value insulation with minimum height gain due to existing curb and penetration heights
- Cost

“The new roof membrane is fully adhered, .060 mil. Rubbergard EPDM, installed over a base layer of 3” Foam-Control® roof insulation formed to the existing metal panel profile with a cover board of Isogard HD insulation. The new insulation added 16.5-R to the roof for a total of 26-R,” said Snowden.

Roof Insulation

Walgreens Distribution Center
- Windsor, WI
- Fall 2010
- Foam-Control® PLUS+® 250 Angle Cut EPS Flute Filler Roof Insulation
- 1,175,625 Board Feet

Architect
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RRK Associates

Contractor
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