

Merit Gear

Application

52,000 square feet of Foam-Control® flat EPS roof insulation and SecureTherm® Composite EPS roof insulation were installed in a re-roof project for Merit Gear in Antigo, Wisconsin.

Project Details

Summer 2008, construction of a re-roofing project for Merit Gear, a manufacturer of high quality, custom precision gearing and gearboxes in Antigo, Wisconsin began. The roof only required R-20 insulation because Merit Gear's manufacturing process generates a fair amount of heat, as a result the owner opted for a lower R-Value.

52,000 square feet of expanded polystyrene (EPS) roof insulation was used in the mechanically fastened roof assembly. The roof assembly consisted of 3-1/4" Type I Foam-Control® EPS on the metal deck, followed by 1-1/2" Type II SecureTherm®, and a DuroLast PVC membrane on top.

SecureTherm® composite roof insulation is a high performance, light weight and water resistant expanded polystyrene (EPS) roof insulation that is factory laminated to a durable fiberglass facer to meet UL Class A requirements. To save money and installation time, SecureTherm® was used to serve as a slip sheet and act as an approved separator to prevent deterioration of the plasticizers in the PVC membrane.

The contractor Jeff Traska of Traska Roofing, found SecureTherm® easier to work with than polyisocyanurate, "laying down snap lines on a slip sheet is a pain. Because SecureTherm® is an approved separator we don't have to mess with a slip sheet when positioning the membrane." Using SecureTherm® EPS roof insulation saved the project about \$20,000 over polyisocyanurate (ISO).

Roof Insulation

Merit Gear

- Antigo, WI
- Summer 2008
- Foam-Control® Flat Roof Insulation
- SecureTherm® Composite Roof Insulation
- 52,000 Square Feet

Contractor

Jeff Traska
Traska Roofing



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