Family Dollar

Application

Foam-Control® PLUS+® 150 Flute Filler and Foam-Control® Composite Roof Insulation was installed on the roof of an 8,000 square foot Family Dollar store located in Twins Falls, Idaho.

Project Details

Family Dollar evaluated energy usage in their stores to determine how they could reduce operating costs and maximize energy efficiency. They concluded that by eliminating attic areas for future store designs, they could reduce heating and cooling costs. Removing the interior insulation and placing the insulation on the roof deck was the best design solution. This design would require higher insulation values to meet their energy efficiency objectives.

As a result, Rodac Construction selected Foam-Control® PLUS+® because it is cost-effective and provided long-term thermal performance. The thermal performance of Foam-Control® PLUS+® helped them meet local energy code requirements.

Foam-Control® PLUS+® Flute Filler was utilized to provide needed insulation and a level surface, eliminating any issues with flute spanability. Additionally, a two-layer system comprised of 1.7” insulation fill board, a cap of 1.5” of Foam-Control® composite insulation, and GAF’s TPO membrane was installed to maximize energy efficiency. The owner was provided a 20-year full system warranty from GAF in addition to ACH Foam Technologies’ R-value warranty for 50 years for the insulation.

Family Dollar
- Twin Falls, ID
- Summer 2011
- Foam-Control® PLUS+® 150 Flute Filler and Foam-Control® Composite Roof Insulation
- 8,000 Square Feet

Contractor
Matt Redd
Rodac Construction