



FIRE-RETARDANT COOL ROOF CAP SHEET PROVIDES SAFE COVER FOR SCHOOL

SBS Solution Solves Cool Roof Code Challenges for Activity Center



Description: Annunciation Orthodox School began in 1970 as a ministry of Annunciation Greek Orthodox Cathedral in the midtown area of Houston. Over the years, it has grown from a single classroom focused on early childhood development to a co-educational school averaging 670 students in grades pre-K to 8. According to Bryant Richardson, director of finance and operations, "Our curriculum is stimulating, innovative, student-centered, and based on the principles of motivation, hard work, and creativity within a nurturing Christian environment. With its close proximity to the museum and performing arts districts, medical center, major universities, libraries, downtown, and zoo, the acquisition of knowledge occurs outside, as well as inside, the classroom." A Johns Manville SBS Cool Roof system was selected for the school's Coloudas Activity Center in a 12,300-square-foot re-roof.

Challenge: Building codes in Houston require commercial roofs to meet two different stringent cool roof standards. The use of JM's SBS cool roof granulated heat-welded cap sheets helped meet this challenge, as the system exceeds the Solar Reflectance Index (SRI) of 70 (a measure of the constructed surface's ability to stay cool in the sun by reflecting solar radiation and emitting thermal radiation). In addition, the roof had to meet R20 long-term thermal resistance for polyiso insulation values.

Solution: Peak Roofing has a long-standing relationship with Annunciation Orthodox School, giving Peak the opportunity to serve as specifier for the project. According to Peak Roofing VP Hunter Groth, "We selected this cap sheet because it's tougher and more durable than others. Job superintendent Benjamin Gutierrez was pleased with the installation. It didn't tear or rip when heat-welded and allowed for a good flow of asphalt." The complete Johns Manville solution for the Coloudas Activity Center included 3.5" ENRGY 3[®] polyisocyanurate insulation over a steel deck, 1/2" JM[®] SECUROCK[®] Gypsum-Fiber Roof Board attached with JM Ultrafast[®] Fasteners, JM DynaWeld[™] Base Sheet and finished with JM DynaWeld[™] Cap FR CR G, a fire-retardant, polyester-reinforced, SBS reflective mineral-surfaced cool roof cap sheet.

Location:
Houston, TX

Building Representative:
Annunciation Orthodox School
Bryant Richardson,
Director of Finance and Operations

Roofing Contractor:
Peak Roofing, Inc.
Kelly Paige, President
JM Peak Advantage[®] Contractor

Industry Affiliations:
National Roofing Contractors Association
The Associated General Contractors of America

JM Roofing System Solution: (2FID-HW CR)

ENRGY 3[®] Polyisocyanurate Insulation
JM[®] SECUROCK[®] Gypsum-Fiber Board
Ultrafast[®] Fasteners
DynaWeld[™] Base
DynaWeld[™] Cap FR CR G

