Installer: Javier Cruz  
Location: Paris, KY  
Type of Job: Roof Replacement  
Square Footage of Job: 15,000  
Equipment Used: Graco Gusmer 20-35 Pro, Hennes Johnson 56-1 Airless sprayer, Granule Master Dual Hopper w/blower  
Number of people needed for the Job: 6  
Number of days required by the Job: 25 days  
Special Requirements: Complete tear off of existing fully-adhered membrane. Project required full-body harness and 100% “tie-off” due to unusual shape and slope of roof. Edge metal detail was custom-rolled .080 aluminum one-piece foam stop/fascia. Each piece was 12' long and had to be installed from a man-lift.  
Foam and coatings used: Gaco Roof Foam System 273, Gaco Sil S-10 silicone coating and 3M granules

**Project Description:** Installed new ½” high-density wood fiber recovery board, sprayed foam at 2” thick, covered foam with 2 coats of silicone coating (minimum 26 mils) and broadcast 3M ceramic granules into top coat of silicone. A uniform spray pattern had to be maintained in order to preserve the building’s architectural design. The foam application had to be completed prior to start of school; however, a change in the design of the metal detail delayed the fabrication of the custom sheet metal, which necessitated the installation of the metal and foam tie-in on weekends only.

**Benefits of using Foam:** Spray foam's ability to adhere and conform to unusual slopes/details made this application not only visually appealing, but extremely energy efficient by eliminating all thermal shorts typical of conventional roof applications.