

New Milkovich Middle School

Installer: **Energy Shield, Inc.**

Location: **Maple Heights, OH**

Type of Job: **Commercial wall foam onto concrete block masonry**

Square Footage of Job: **58,000**

Equipment Used: **Gusmer**

Number of people needed for the Job: **3-May**

Number of days required by the Job: **25**

Special Requirements: **ABAA specified job**

Foam and coatings used: **BaySeal CC**

Project Description: New 2-story middle school construction adjacent to existing functional school. Job consisted of spraying a uniform 13/4 to 2¼" (R=12) onto concrete block masonry. Brick ties had to be cleaned free of mortar drips, perimeter of each window was covered with transition membrane (TM) and TM was installed 2-blocks-up below footings, above windows, over control joints, and at the wall/roof intersection. Once all TM was installed, the walls could be foamed. This was an ABAA specified job which required 3-field inspection by ABAA 3rd-party inspection firm. Timing of work was critical because the mason had to begin laying the veneer masonry (brick and CMU) within a few days after the foam was sprayed while staying in front of the foam crew with the block wall construction. This teamwork continued for the entire job. Work did not begin until late September and was completed in early December, 2010. The contractor had to conduct daily inspections of the completed work for adhesion, thickness, and density of foam.

Benefits of using Foam: The foam functioned as an insulator, a vapor retarder, and as an air barrier. And it was more cost effective than using a conventional glued-on boardstock insulation.



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Category: Commercial Wall Foam

