

Mid County Recreation Center

Installer: **Ken Thacker, Charie Hawkins, Derek Nelson**

Location: **Silver Spring, MD**

Type of Job: **Cavity Wall**

Square Footage of Job: **25,000**

Equipment Used: **Graco E30 and Graco Fusion Gun**

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

Number of days required by the Job: **15**

Foam and coatings used: **Heatlok Soy 200**

Project Description: It took over two decades for the Montgomery County Recreation Center to go from conception to grand opening. The exterior block and brick cavity walls, originally insulated with 2" of board stock and liquid applied Air Barrier, experienced a near total failure. Three Months prior to the anticipated grand opening of the Mid County Recreation Center, the interior face of the block exterior walls began to spontaneously pop and leave what looked like bullet holes up to 6 inches wide and an inch deep everywhere. It was at this stage when Nova Spray Foam with the help of Demilec USA's Engineering Department was brought into the project. With the Liquid Air Barrier looking like Swiss Cheese Nova Spray Foam applied a 2 inch thick test area of Demilec USA's Heatlok Soy 200. After performing Pull Tests for Adhesion/Compatibility and joint meetings with Wiss Janney Engineers Montgomery County Determined the only way to save this brand new building would be to tear down the entire exterior brick veneer and apply 2" of Heatlok Soy 200. Only after Spray Foam replaced the original design was the building saved and able to have a long awaited grand opening.

Benefits of using Foam: Spray Foam Advocates have long professed the superiority of Polyurethane Foam as an insulation, air barrier, vapor barrier and drainage plane in cavity wall construction. Prior to this situation Montgomery County Architects had refused to use SPF in municipal buildings because SPF was perceived as cost prohibitive. Spray Foam saved this 25,000 sqft Rec Center from certain demolition and it is serving the local community today . Ultimately the Rec Center was transformed into an energy efficient, high performance structure with a 50% higher R-Value in the exterior wall. Foam has since been added to the general spec and has found wide spread acceptance by both Montgomery County Maryland Building Officials and Architects.



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