

# Masterbond SP Inc.:

## Hartford VT High School

Installer: **SP Works Inc., Michael Belleau**

Location: **Hartford, VT**

Type of Job: **Exterior application of closed cell foam, ETICS**

Square Footage of Job: **12000**

Equipment Used: **Masterbond SP vac-plane tool and other proprietary tools, Gusmer H2000 proportioner, 200 feet of hose and air purge Fusion Guns. 25 CFM Compressor, Pro Air fresh air respirators, Cartridge respirators**

Number of people needed for the Job: **6-8 people**

Number of days required by the Job: **60 days**

Special Requirements: **All work completed after 3:00PM as is a school.**

Foam and coatings used: **Masterbond exterior foam. Acr polymer & finish.**

**Project Description:** This was an 11th hour commercial project decision on how to cover the foam specified for the Hartford VT High School, within budget. The high school classrooms were constructed of thin, fiber board panels with only 0.5 inches of insulation of unknown material from the 1960s, making these rooms unbearably cold in winter and excessively hot in the summer from UV radiation. They needed the highest R-Value possible within their budget. The Masterbond Wall System was applied to the exterior of the building to solve these problems. It is self-adhering and applied with no fasteners. The wall system uses, Masterbond SP exterior spray foam, Masterbond SP approved acrylic polymer, flexible basecoats and textured acrylic finish coat. It yields a high performance wall, with higher R-Value than EIFS systems, the lowest profile possible and a durable, aesthetically pleasing appearance. The Masterbond wall system was the energy efficient solution the high school needed, and was applied without disturbing the students. All spraying and planning (flattening) of foam had to take place after 3:00 PM, through the night when class was not in session. Safety equipment and respirators were required throughout the job. Heat was necessary towards completion to ensure proper drying of the finish materials.

**Benefits of using Foam:** We use foam because of its self adhering properties. It serves as an incredible, seamless base for exterior wall insulation, while providing high R-Value and energy efficiency. Additionally, closed cell spray foam, through Masterbond SP™s development, can be easily flattened to accept coatings and exterior finishes that protect the foam from UV degradation and make an aesthetically pleasing siding system.



**2009 SPFA Industry Excellence Awards**

**Category: Commercial Wall**

