



PROJECT PROFILE:

Tru by Hilton Hotel
Manchester, New Hampshire

Challenge

Cold New England winters can lead to prolonged downtime of construction sites. In the heart of downtown Manchester, New Hampshire, construction of a Tru by Hilton hotel was slated to begin but needed systems and products that could withstand the conditions.

The construction team chose NewBrick® insulated brick veneer and Dryvit® Outsulation® Plus MD continuous insulation (CI) systems for their performance and installation advantages. Securock® ExoAir® 430 panels were chosen to assist with critical path reduction and meet shell dry-in goals.

Before construction could begin, the city of Manchester had to approve the plans. Harvey Construction, the general contractor, requested that concerns regarding longevity, durability and meeting New Hampshire energy and fire codes be addressed.

Fire and impact-resistance are key advantages of NewBrick, which John Powers, Dryvit's national technical director, highlighted in his presentation to the city board. Upon learning of the product safety and witnessing how closely NewBrick mimics the look of traditional brick, the board was impressed and granted clearance for construction to begin.

Completion Date	August 1st, 2020
Project Type	New Construction
Project Size	30,000 square feet
Building Type	Hotel
Products Used	NewBrick® Securock® ExoAir® 430 Outsulation® Plus MD

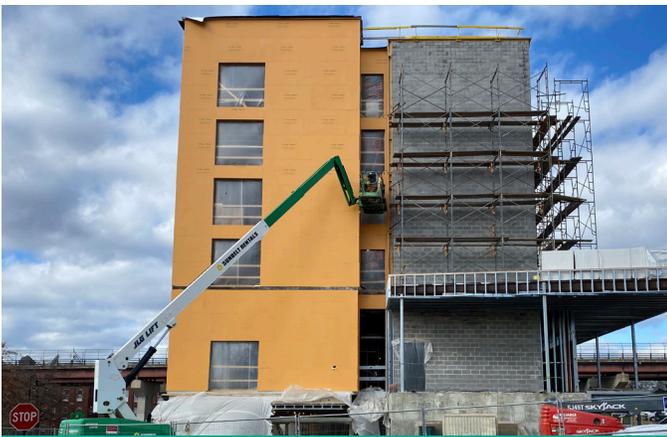


A quicker whole wall installation means earlier dry-in for the building, so interior work can begin ahead of schedule.



Securock ExoAir 430 pre-applied air barrier sheathing panels reduce job site challenges and simplify the air barrier installation.





Air barriers applied in a factory setting eliminate the negative impacts of weather that can happen in field.



Securock ExoAir 430 and NewBrick work together to build high performing, energy-efficient structures.

Solution

Harvey Construction, as well as the designer, Built Forms, LLC, were new to using whole wall innovations offered by Tremco Construction Products Group (CPG) companies. Plus, Creative Walls, the installer, had not utilized NewBrick or Securock ExoAir 430 before. All three firms participated in a joint training on both systems and gained knowledge that gave them confidence to proceed.

Dryvit and Tremco technical representatives were on-site to assist as construction officially began in December of 2019. The exterior building envelope needed to be installed and sealed quickly so the team could continue working on the interior of the building throughout the winter. Despite this being their first in-field installation, "the panels made everything move quickly," Mirsad Mulabegovic, owner of Creative Walls, noted. Performance of Securock ExoAir 430 is the same as glass-mat sheathing with a fluid-applied air barrier, but the key difference is that the air barrier is pre-applied in a factory setting and brought to the job site ready to hang. With an air barrier membrane already installed, the Securock ExoAir 430 proved to be an ideal fit for the project. With field-applied air barriers, the multi-step application process can be delayed by weather conditions. Securock ExoAir 430's one-touch shell dry-in innovation combines the sheathing/AWRB installation into one labor step, significantly reducing the shell dry-in process as only sheathing joints need to be treated in the field.

Installing NewBrick was seamless for Creative Walls, who had previously worked with thin brick. Heavy claddings, shelf angles, lintels, and brick ties add cost and installation time to wood frame buildings, like Tru by Hilton. NewBrick, on the other hand, is lightweight, making it faster to install with added insulation value, enabling a faster turnaround and lower operating costs for the owner. With all of these benefits and the beautiful aesthetic outcome, the Tru by Hilton hotel project proved a great success.

"I always put in Dryvit when I bid a project. It's the group of people that we have around us that give us what we need - pricing, submittals, or contacts," Mulabegovic stated. It is the support, product performance, and resulting combined warranty that assured the companies involved of the value-added with a full Tremco Construction Products Group (CPG) system approach.

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