

BUILDING THE WESTIN HOTEL DESPITE PRECIPITATION, HIGH WINDS AND FREEZING TEMPERATURES

The Westin is a nine-story hotel located along the lakefront in Milwaukee, Wisconsin. The city recognized the need for additional hotel rooms in order to attract visitors to large conventions and events. Midwest construction that stretches into the winter months always brings the challenges of cold temperatures, snow and rain. And building on a lakefront brings the additional challenge of high winds. Another challenge of this project was the location of the hotel itself; close perimeter buildings made it difficult to work on the Westin.

This project required 55,000 square feet of exterior sheathing and air barrier membrane. Those involved with the design understood the need for a product that would withstand harsh conditions during construction. USG Corporation and Tremco Commercial Sealants & Waterproofing has the perfect solution: the Securock® ExoAir® 430 System. This system is comprised of two proven products—USG Securock® Brand Glass-Mat Sheathing and Tremco ExoAir® 230 Fluid-Applied Membrane—now together as one complete system.

When the Securock® ExoAir® 430 System was selected for the project, concerns about weather and precipitation dissipated. Since the air barrier membrane is pre-applied and cured on the base panel before it gets to the job site, concerns about rain, freezing temperatures and high winds impacting the barrier's application were eliminated. Minimal work was required to finish the panels at each elevation, which quickened the process.

Throughout construction, USG and Tremco were on hand to provide documentation and instruction, and to answer questions from the approved installers. One such example was in the selection of the product used to make the connection of the rough opening to the window—one that was tested and approved for compatibility and adhesion. With Tremco's consultation, the Westin Hotel glazing contractor selected Spectrem® 1 for the windows and curtain wall perimeters.

This technical expertise, combined with exceptional performance of the system, made the Securock® ExoAir® 430 System an ideal solution for the Westin hotel.

To watch a video about the Westin Hotel project, visit <http://bit.ly/2mpVvKHL>

“**This isn't a brand new product—it's simply a new delivery system of two proven technologies.**”

Todd Morawski,
Sales Development Manager
USG

“**USG and Tremco were able to show details and documentation about the system, so any questions we had were immediately answered. I felt confident using this product on my job.**”

Justin Gelhausen, Project Manager
Walltech



PRODUCT HIGHLIGHT

Securock® ExoAir® 430 System:
An integrated gypsum sheathing panel with a factory-applied fluid air barrier membrane. The system reduces job site challenges, simplifies installation and results in superior control of air, water and vapor throughout the entire building envelope.

KEY PRODUCTS

Securock® ExoAir® 430 Panels

Dymonic® 100

Spectrem® 1

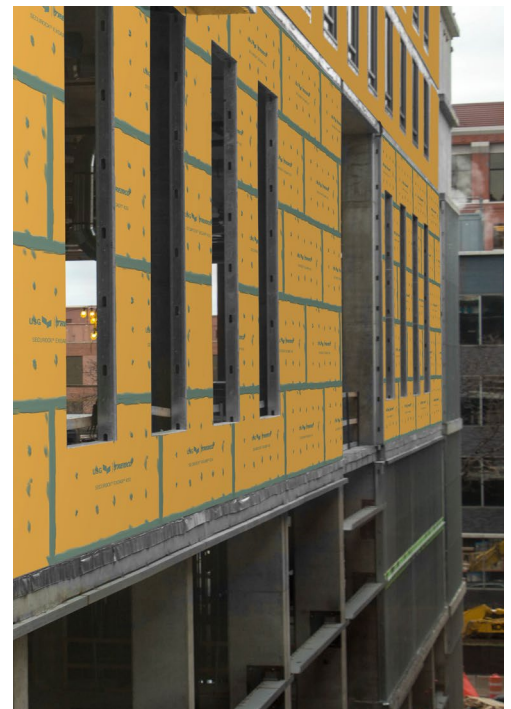
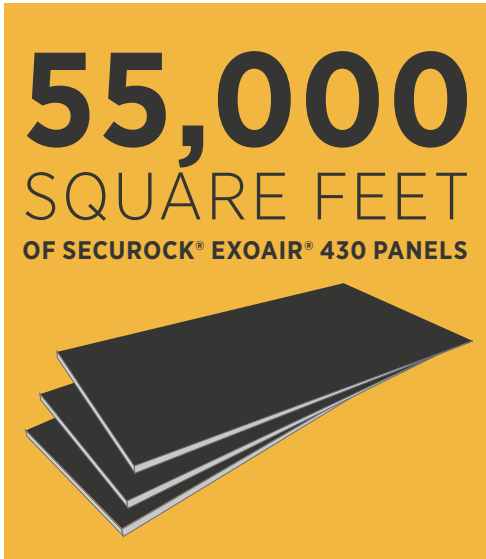
Proglaze® ETA Connections

ExoAir® 111

USG Sheetrock® Brand Firecode® X Gypsum Panels

USG Sheetrock® Brand Glass-Mat Liner Panels Mold Tough®

USG Securock® Brand Glass-Mat Sheathing



GREATEST CHALLENGE

The greatest challenge of this project was working within the constraints of the building space and accounting for weather conditions. Other buildings were in close proximity, which limited access to the hotel. Additionally, the hotel's location two blocks from Lake Michigan created a concern about wind that would hinder the application of a fluid-applied air barrier. However, with the Securock® ExoAir® 430 System, concerns about these potential challenges were eliminated.

“**The Securock® ExoAir® 430 System is user friendly—we can apply it without worrying about weather conditions or temperature. It makes the job easier and faster.**”

Bernard Olsen, Construction Foreman
Walltech

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ExoAir is a trademark of Tremco.