



TECHNICAL DATA SHEET

Outsulation® PE Securock® ExoAir® 430 System

A Pressure-Equalized Rainscreen Exterior Insulation and Finish System With Moisture Drainage That Incorporates Continuous Insulation and An Air/Water-Resistive Barrier
DS912

SUMMARY

Dryvit offers a family of performance-based systems that allows architects and owners to meet the specific demands of today's energy codes, including continuous insulation and an air/water-resistive barrier. Dryvit's original Outsulation System has been installed on over 500,000 buildings worldwide, in all climate zones. Due to the increased demands for a wall system to be able to drain away incidental moisture, the Outsulation concept has grown into a family of related systems, each building upon the other to achieve specific performance goals.



PRESSURE-EQUALIZED RAINSCREEN TECHNOLOGY

Outsulation PE incorporates the concept of Pressure Equalization to allow the interlocking cavity in back of the cladding to pressurize during a wind-driven rain event. This eliminates any pressure differential that would draw water into the cavity from a breach in the outside surface. By removing the driving force, the bulk of water will simply flow down the outside wall surface. The inclusion of an air barrier assembly will also stop air infiltration through the wall assembly, improving interior comfort as well as thermal performance.

MOISTURE DRAINAGE TECHNOLOGY

Outsulation PE offers the most comprehensive, easy-to-install drainage system available for commercial use today. This system utilizes a combination of vertical grooves in the EPS insulation, as well as use of an adhesive to create vertical channels, specifically designed to allow any incidental water that enters the cavity behind the insulation board to flow down and to be directed to specific exit points. By incorporating an engineered drainage path within the cladding, termination details are greatly simplified.

WHY SECUROCK EXOAIR 430?

The Securock® ExoAir® 430 System is a high-performance, energy efficient air and water barrier system comprised of the USG's Securock® Brand UltraLight Glass-Mat Sheathing, Tremco's ExoAir 430 membrane, as well as system accessories. Securock ExoAir 430 is a pre-applied fluid-applied synthetic permeable air/water barrier. It has a monolithic, elastomeric membrane that is applied in a factory setting. This can eliminate the inconsistencies and weather impact that can occur when applied in the field. The fluid is applied to the face of USG's Securock Brand Ultralight Glass-Mat Sheathing panels for above-grade wall assemblies to mitigate air infiltration/exfiltration and water penetration while remaining permeable to the passage of water vapor. The system accessories contain sealants and transition products that provide a comprehensive air barrier system.

With the Securock ExoAir 430 System, application variability of the air barrier is no longer a concern; the controlled factory environment ensures proper mil thickness and membrane uniformity, which means no more job site rework and less job site waste. In addition, membrane adhesion is assured; it can't wash off from rain or from improper sheathing preparation. This System can reduce man-hours and safety risks, and overall improve the schedule efficiency. The approach maintains the performance qualities of a fluid applied system, while addressing the challenges faced when applying a fluid in the field.

FEATURES AND BENEFITS

FEATURES

- Pressure-Equalized Rainscreen Technology
- Moisture Drainage Technology
- Securock ExoAir 430
- Dymonic® 100 Fluid-Applied Flashing

COMPONENTS - LOOK INSIDE THE OUTSULATION PE SYSTEM

1. Securock ExoAir 430 Air/Water Barrier
2. Dymonic® 100 Fluid Applied Flashing
3. Dryvit Vent Assembly™
4. Dryvit Track and Vent Track™
5. Dryvit TREMGrip™ to adhere Dryvit Track and Vent Track
6. Dryvit Adhesive in Vertical Notched Trowel Configuration
7. Insulation Board with Bevels and Grooves, creating a layer of continuous insulation
8. Insulation Board Closure Blocks
9. Dryvit Reinforced Base Coat
10. Dryvit Finish

DRYVIT... PROVEN FOR OVER 50 YEARS

Dryvit is an ISO 9001:2015 and ISO 14001:2015 certified company. ISO standards have been established worldwide as a common denominator for product excellence. Dryvit is the recognized leader in construction technology. With leadership comes an obligation and commitment to research and development. The Outsulation PE System is an example of our determination to continuously evaluate market demands and develop new and exciting products.

WARRANTY

Dryvit shall provide a written limited materials warranty upon written request. Dryvit shall make no other warranties, expressed or implied. Dryvit does not warrant workmanship. Full details are available from Dryvit.

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For more information on Dryvit or Continuous Insulation, [click here](#).

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