



# TECHNICAL DATA SHEET

## ExoAir® 230

Fluid-Applied Synthetic Permeable Air Barrier Membrane is a monolithic, elastomeric membrane

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### PRODUCT DESCRIPTION

ExoAir® 230 Fluid-Applied Synthetic Permeable Air Barrier Membrane is a monolithic, elastomeric membrane designed to be rolled, sprayed, or troweled onto exterior above-grade wall assemblies to mitigate air infiltration/exfiltration and water penetration while remaining permeable to the passage of water vapor. It may also be used as a liquid-applied flashing, enabling the contractor to address both the membrane and flashing needs with a single material.

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### BASIC USES

ExoAir 230 is typically applied to exterior sheathing panels, concrete block, poured concrete, wood substrates, Nudura Insulated Concrete Forms (ICF), or insulated concrete forms, as an air and vapor permeable membrane. ExoAir 230 can be used with ExoAir 110, ExoAir 110AT, ExoAir 230 (and mesh) or Dymonic® 100 as liquid applied flashing to detail into the rough opening.

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### FEATURES & BENEFITS

#### ExoAir 230

- ExoAir 230 is a UV stable, seamless, monolithic membrane that creates a fully adhered air barrier when properly installed.
- The ability to roller, spray, or trowel apply the material affords the contractor the ability to accelerate installation times compared to traditional self-adhered membrane systems.
- The high-performance properties of the ExoAir 230 membrane retard the migration of air and bulk water but allow water vapor to pass through the membrane. As a result, vapor permeable systems like ExoAir 230 allow for more flexibility in the placement of the air barrier membrane in the wall design.
- ExoAir 230 is formulated for UV resistance providing the flexibility to install rainscreen systems with open joints or to allow the membrane to be exposed longer during the construction process.
- ExoAir 230 can be custom colored to meet all of your design needs.
- ExoAir 230 is specifically formulated for design options requiring assemblies that have been evaluated for NFPA 285.
- ExoAir 230 is an approved Water Resistive Barrier when applied to Nudura Insulated Concrete Forms (ICF) or insulated concrete forms.

#### ExoAir 230LT

- ExoAir 230LT is a low temperature grade of ExoAir 230
- ExoAir 230LT has the same features and benefits as ExoAir 230 listed above

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### AVAILABILITY

ExoAir 230 is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit [www.tremcosealants.com](http://www.tremcosealants.com)

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### COLORS

Standard color: Black & Limestone; Custom colors available upon request.

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### LIMITATIONS

- No more than 12 months of UV exposure before façade installation. If membrane is exposed for a period exceeding 12 months, contact Tremco Technical Service for additional recommendations at 866-209-2404, or visit the Technical Resources area of our website at [www.tremcosealants.com](http://www.tremcosealants.com) and "Ask the Expert."
- Do not apply to damp, contaminated or frost-covered surfaces.
- Not to be used as a permanently exposed surface. Contact your local Tremco Sales Representative for project specific requirements.
- Membrane shall be protected from rain and washout prior to drying.

- When applying ExoAir 230 to surfaces below 40 °F (5 °C), please refer to the Technical Bulletin- Cold Temperature Recommendations for Air Barrier Applications at [www.tremcosealants.com](http://www.tremcosealants.com) or contact Tremco Technical Service at 886-209-2404.

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## WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



[tremcosealants.com](http://tremcosealants.com) | 800.321.7906



*Construction Products Group*

3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | [tremcocpg.com](http://tremcocpg.com)

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
TYPE	Synthetic Acrylic
COLOR	Limestone; Custom colors available upon request
SOLIDS	0.53
APPLICATION	Spray, Roller, or Trowel
THICKNESS	Exterior Sheathing: Minimum 48 mils (wet), 25 mils (dry); Porous Substrates: Minimum 70 mils (wet), 35 mils (dry)
STORAGE TEMPERATURE	40 to 100 °F (5 to 37 °C)
CURE TIME	<u>ExoAir 230</u> : 16 to 24 hr at 75 °F (24 °C), 50% RH <u>ExoAir 230LT</u> : 16 to 24 hr at 20 °F (-6 °C), 50% RH
APPLICATION TEMPERATURE	<u>ExoAir 230</u> : Above 40 °F (5 °C) and rising. If installing below 40 °F (5 °C), please refer to Cold Weather Air Barrier Installation Technical Bulletin or contact Tremco Technical Service at 866-209-2404. <u>ExoAir 230LT</u> : Above 20 °F (-6 °C) and rising
SERVICE TEMPERATURE	Intermittent Exposure up to 240 °F (115 °C)

PROPERTY	TEST METHOD	TYPICAL RESULTS
MAXIMUM V.O.C.	Method 310	<u>ExoAir 230</u> : 18 g/L <u>ExoAir 230LT</u> : 50 g/L
HYDROSTATIC HEAD	AATCC – 127	Pass (5 hours)
CRACK BRIDGING	ASTM C1305	Pass
ELONGATION	ASTM D412 Die C	900%
TENSILE STRENGTH		120 psi
WATER IMMERSION	ASTM D870	Pass
PLIABILITY, 180°, 1" (25 MM) MANDREL (LOW TEMPERATURE FLEX)	ASTM D1970 – Section 7.6	Pass
NAIL SEALABILITY	ASTM D1970 – Section 7.9	Pass
ADHESION	ASTM D4541	Concrete: 38 psi Exterior Sheathing: 20 psi
ANTIFUNGAL	ASTM D5590	Pass
FLAME SPREAD	E84	20
SMOKE DEVELOPMENT		45
WATER VAPOR PERMEANCE	ASTM E96 Dry Cup ASTM E96 Wet Cup	1.4 US Perms 12.0 US Perms
WATER PENETRATION	ASTM E331	Passed at 15 lb/ft² (718 Pa); Passed at 6.27 lb/ft² (300 Pa) for 2 hours
AIR LEAKAGE OF MATERIAL	ASTM E2178; Free Film Method @ 75 Pa ASTM E2178; Free Film Method @ 300 Pa	0.00158 cfm/ft² (0.00805 L/(s•m²)) 0.00435 cfm/ft² (0.02211 L/(s•m²))
AIR LEAKAGE OF ASSEMBLY	ASTM E2357	0.003 cfm/ft² @ 1.56 lb/ft² (0.013 L/(s•m²) @ (75 Pa))
FIRE RESISTANCE OF ASSEMBLY	NFPA 285	Pass

\*All product testing performed at 35 dry mils.

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Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

**NOTE:** All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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