



# TECHNICAL DATA SHEET

## EXOAIR® 210AT

Self-Adhered Air and Vapor  
Permeable Membrane

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### PRODUCT DESCRIPTION

ExoAir® 210AT is a 21 mil self-adhered permeable air barrier membrane that is comprised of 19.5 mils of high performance acrylic adhesive and 1.5 mils of nonwoven facer. When installed properly as a system, ExoAir 210AT will mitigate air infiltration/exfiltration and water penetration while remaining permeable to the passage of water vapor.

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### BASIC USES

ExoAir® 210AT is a permeable, self adhered sheet designed to be applied to exterior cavity walls in order to mitigate air infiltration/exfiltration and water penetration while remaining permeable to the passage of water vapor. ExoAir® 210AT is typically applied to exterior sheathing boards, concrete block, poured concrete, and wood substrates. ExoAir® 210AT is designed to be installed when both the air and surface temperature are 20°F (-6°C) and rising.

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### FEATURES & BENEFITS

- The high-performance acrylic has been tested and is compatible with the ExoAir product line.
- Primerless application allows for faster installation time.
- Manufactured to a preset, uniform thickness that provides consistent and uniform coverage.
- The high-performance properties of the ExoAir 210AT 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 210AT allow for more flexibility in the placement of the air barrier membrane in the wall design.

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### AVAILABILITY

ExoAir® 210AT 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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### COVERAGE RATES

Varies depending on width selected.

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### PACKAGING

Length: 100' (30m)  
Width: 48" (122cm)  
12" (30.5cm)

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### COLORS

Black with a white logo.

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### STORAGE

Store ExoAir® 210AT in original, undamaged packages in a clean, dry, protected location with temperatures 40 to 100°F (5 to 37°C).

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## APPLICABLE STANDARDS

ExoAir® 210AT has been tested to the following industry standards for air barriers:

- AATCC 127-2008 Water Resistance: Hydrostatic Pressure Test
- ASTM D1970 Section 7.9 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E2178 Standard Test Method for Air Permeance of Building Materials
- NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components

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## LIMITATIONS

- No more than 6 months of UV exposure before façade installation. If membrane is exposed for a period exceeding 6 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.
- Not to be used as a flashing for windows or rough openings.

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## WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products.

Tremco’s sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
Type	Acrylic sheet with nonwoven facer
Color	Black with white logo
Solids	100%
Facer Basis Weight	2.95 oz/sy (100gsm)
Application	self-adhered
Storage Temperature	40 to 100°F (5 to 37°C)
Application Temperature	Above 20°F (-7°C) and rising
Service Temperature	Intermittent exposure up to 240°F (115°C)
Thickness	21 mils:19.5 mils high-performance acrylic, 1.5 mils water repellant non-woven polypropylene

PROPERTY	TEST METHOD	TYPICAL RESULTS
Criteria for Water Resistive Barriers	ICC-ES AC38	Pass
Maximum V.O.C.	Method 310	2 g/L
Air Leakage of Material	ASTM E2178; Free Film Method @ 75 Pa	0.003 cfm/ft <sup>2</sup> (0.02 L/(s•m <sup>2</sup> ))
Tensile Strength	ASTM D5034	109 lbf MD 88.2 lbf CD
Water vapor Transmission	ASTM E96 Dry Cup ASTM E96 Wet Cup	11.6 US perms 16.9 US perms
Water Resistance	AATCC-127	Pass
Adhesion	ASTM D4541	22.9 psi
Resistance to Puncture	ASTM E154	≥40 lbf
Low Temperature Flexibility	ICC-ES AC38/3.3.4	Pass
Peel Adhesion (72 hr)	ASTM D3330 Method F	
	Stainless Steel	5.2 lb <sub>f</sub> /in
	Plywood	7.25 lb <sub>f</sub> /in
	OSB	4.25 lb <sub>f</sub> /in
	Exterior Gypsum	3.26 lb <sub>f</sub> /in
Flame Spread and Smoke Development	ASTM E84	5 5
Nail Sealability	ASTM D1970 section 7.9	Pass
Water Penetration	ASTM E331	Passed at 6.27 lb/ft <sup>2</sup> (300 Pa) for 2 hours; Passed at 15 lb/ft <sup>2</sup> (718 Pa)
Air Barrier Assembly Air Leakage	ASTM E2357	0.006 cfm/ft <sup>2</sup> (0.0012 L/(s•m <sup>2</sup> )) @ 1.56 lb/ft <sup>2</sup> (75 Pa)
Fire Resistance of Assembly	NFPA 285	Pass

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Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit and Willseal brands; Nudura Inc.; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



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