TREMCO

TECHNICAL DATA SHEET

EXOAIR® 210AT

Self-Adhered Air and Vapor Permeable Membrane

PRODUCT DESCRIPTION

ExoAir® 210AT is a self-adhered permeable air barrier membrane that is comprised of 21 mils high performance acrylic adhesive and a 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.

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 blocks, poured concrete, and wood substrates. It is designed to be installed when both the air and the surface temperature are 20 °F (-6 °C) and rising.

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.

AVAILABILITY

ExoAir 210AT is immediately available from your local Tremco Sales Representative or Distributor. For distributor locations, visit www.tremcosealants.com.

COVERAGE RATES

Varies depending on width selected.

PACKAGING

Length: 100' (30 M)

Width: 48" (122 cm)

12" (30.5 cm)

COLORS

White with a black logo.

STORAGE

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

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

LIMITATIONS

- No more than 6 months of UV exposure before facade installation. If the 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 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.

WARRANTY

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

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION	
Type	21 mil acrylic adhesive and nonwoven facer	
Color	White with black logo	
Solids	100%	
Facer Basis Weight	2.95 oz/sy (100 gsm)	
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)	
PROPERTY	**TEST METHOD**	**TYPICAL RESULTS**
Criteria for Water Resistive Barriers	ICC-ES AC38	Pass
Maximum VOC	Method 310	2 g/L
Air Leakage of Material	ASTM E2178; Free Film Method @ 75 Pa	0.003 cfm/ft² (0.02 :/(s•m²))
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

TYPICAL PHYSICAL PROPERTIES		
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 lbf/in
	Plywood	7.25 lbf/in
	OSB	4.25 lbf/in
	Exterior Gypsum	3.26 lbf/in
Flame Spread and Smoke Development	ASTM E84	Smoke Development: 5 Flame Spread: 5
Nail Sealability	ASTM D1970 Section 7.9	Pass
Water Penetration	ASTM E331	Passed at 6.27 lb/ft² (300 Pa) for 2 hours; Passed at 15 lb/ft² (718 Pa)
Air Barrier Assembly Air Leakage	ASTM E2357	0.006 cfm/ft² (0.0012 L/(s•m²)) @ 1.56 lb/ft² (75 Pa)
Fire Resistance of Assembly	NFPA 285	Pass
Air Barrier Assembly Leakage @ 75 Pa	CAN/ULC-S741-08(2020)	PASS - 0.0031 L/s•m² @ 75 Pa
Air Leakage Rate	CAN/ULC-S742-2020	Classification A1

Please refer to our website at 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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