TREMCO

TECHNICAL DATA SHEET

EXOAIR® 130

Fluid-Applied, Synthetic Air and Vapor Retarder Membrane

PRODUCT DESCRIPTION

ExoAir® 130 Fluid-Applied Synthetic Air and Vapor Barrier Membrane is a monolithic, elastomeric membrane designed to seal exterior above-grade wall assemblies and mitigate air infiltration/exfiltration, vapor transmission and water penetration. It is available in a single grade that can be roller or spray applied using the appropriate spraying equipment.

BASIC USES

ExoAir 130 is typically applied to exterior sheathing panels, concrete block, poured concrete or wood substrates as an air and vapor barrier material. ExoAir 130 can be used with ExoAir 110, ExoAir 110AT, Dymonic® 100 or ExoAir DualFlash as liquid applied flashing to detail into the rough opening.

FEATURES AND BENEFITS

- ExoAir 130 is a seamless, monolithic membrane that creates a fully adhered air and vapor barrier when properly installed.
- The ability to roller or spray apply the material affords the contractor the ability to accelerate installation times compared to traditional self-adhered membrane systems.
- ExoAir 130 is formulated for UV resistance providing the flexibility to install rain screen systems with open joints or to allow the membrane to be exposed longer during the construction process.
- ExoAir 130 is specifically formulated for design options requiring assemblies that have been evaluated for NFPA 285.

AVAILABILITY

ExoAir 130 is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit https://www.tremcosealants.com/

COVERAGE RATES

Approximately 23 ft^2/gal at 70 wet mils (40 dry mils)

Approximately 2.32 M^2/US gal at 70 wet mils (40 dry mils)

PACKAGING

5-gal (19-L) pails

52-gal (197-L) drums

COLORS

Standard color White

SHELF LIFE

1 year when stored in accordance with storage instructions.

STORAGE

Store ExoAir 130 in original, undamaged packages in a clean, dry, protected location with temperatures 40 to 100 °F (5 to 37 °C).

APPLICABLE STANDARDS

ExoAir 130 has been tested to the following industry standards for air barriers:

- AATCC 127-2008 Water Resistance: Hydrostatic Pressure Test
- ASTM C1305 Standard Test Method for Crack Bridging Ability of Liquid Applied Waterproofing Membrane
- ASTM C1522/ASTM C836 Extensibility over Crack After Heat Aging. No cracking @ 60 mils
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension
- ASTM D1970 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 E331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
- ASTM E2178 Standard Test Method for Air Permeance of Building Materials
- ASTM E2357 Standard Test Methods for Determining Air Leakage of Air Barrier Assemblies
- NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components

FIRE RATED SYSTEMS

ExoAir 130 has been tested in assemblies according to NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components. All of the NFPA 285 UL listed assemblies using Tremco materials can be found using the technical bulletin: ASHRAE 90.1 & NFPA 285: Defining & Specifying to Meet IECC & IBC or utilizing the following link: http://database.ul.com/cgibin/XYV/template/LISEXT/1FRAME/showpage.ht ml?name=FWFX.R27656&ccnshorttitle=Exterior+Wall+System+Components&objid=1082999775&cfgid=1073741824&version=versionless&parent_i d=1082761881&sequence=1.

For NFPA 285 engineering judgment requests please go to www.tremcosealants.com/NFPA 285 Engineering Judgment Request, or contact Tremco Technical Service at 866-209-2404.

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 866-2092404, 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.
- Membrane shall be protected from rain and washout prior to drying.
- When applying to surfaces below 40 °F (5 °C), please refer to the Technical Bulletin- Cold Temperature Recommendations for Air Barrier Applications at www.tremcosealants.com or contact Tremco Technical Service at 886-209-2404.
- ExoAir 130 is not to be applied directly to fireproofing materials. Contact Tremco Technical Service at www.tremcosealants.com for alternative recommendations.
- Keep product from freezing prior to being applied to the substrate. It is best to store ExoAir 130 off the floor at an ambient temperature above 40 °F (10 °C).

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	Synthetic Acrylic
Color	White
Solids	56%
Cure Time	16 to 24 hr at 75 °F (24 °C), 50% RH
Application	Spray/Roller
Thickness	Minimum 70 mils (wet), 40 mils (dry)
Storage Temperature	40 to 100 °F (5 to 37 °C)
Application Temperature	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.
Service Temperature	Intermittent Exposure up to 240 °F (116 °C)

PROPERTY	TEST METHOD	TYPICAL VALUES
Maximum V.O.C.	Method 310	19 g/L
Hydrostatic Head	AATCC-127	Pass
Crack Bridging	ASTM C1305	Pass
Elongation	ASTM D412	346%
Water Immersion	ASTM D870	Pass
Pliability, 180°, 1" (25 mm) mandrel (Low Temperature Flex) Nail Sealability	ASTM D1970 – Section 7.6 ASTM D1970 – Section 7.9	Pass Pass
Adhesion	ASTM D4541	Concrete: 60 psi Exterior Sheathing: 16 psi
Antifungal	ASTM D5590	Pass
Water Vapor Permeance	ASTM E96 Dry Cup ASTM E96 Wet Cup	<0.1 US Perm applications*0.032 US Perms .727 Perms
Water Penetration	ASTM E331	Passed at 2.86 lb/ft² (137 Pa) for 15 mins Passed at 6.27 lb/ft² (300 Pa) for 2 hours
Cone Calorimeter	ASTM E1354	Data for EJ Analysis
Air Leakage of material	ASTM E2178; Free Film Method @ 75 Pa	0.0001 cfm/ft² (0.0005 L/sm²)
Air Leakage of assembly	ASTM E2357	0.002 cfm/ft² (0.009 L/sm²)
Fire Resistance of Assembly	NFPA 285	Pass
Flame Spread	ASTM E84	15
Smoke Development	ASTM E84	25

TYPICAL PHYSICAL PROPERTIES

* Evaluated in a variety of conditions for specific assemblies. *ASTM E96B, 23°C/50%RH. Curing of 60 mil film was accelerated at 50°C for 1 week prior to testing. Please contact Tremco Sales or Technical Service for more information.

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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