



TECHNICAL DATA SHEET

EXOAIR® 120

Fluid-Applied, Asphaltic, Air and Vapor Impermeable Membrane

PRODUCT DESCRIPTION

ExoAir® 120 Fluid-Applied 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 two grades: ExoAir 120 SP (spray grade) and ExoAir 120 R (roller grade). ExoAir 120 R can also be sprayed with the appropriate spraying equipment.

BASIC USES

ExoAir 120 is typically applied to exterior sheathing panels, concrete block, poured concrete or wood substrates as an air and vapor barrier material. ExoAir 120 can be used with ExoAir 110, ExoAir 110AT, or Dymonic 100 as liquid applied flashing to detail into the rough opening.

FEATURES AND BENEFITS

- ExoAir 120 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 120 can be co-sprayed to accelerate the curing process when weather threatens washout, or to fast-track construction.

AVAILABILITY

ExoAir 120 is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit <https://www.tremcosealants.com/>

COVERAGE RATES

Approximately 25 ft²/gal at 60 wet mils (40 dry mils)

Approximately 2.32 M²/US gal at 60 wet mils (40 dry mils)

PACKAGING

5-gal (19-L) pails

52-gal (197-L) drums

COLORS

Black

SHELF LIFE

1 year when stored in accordance with storage instructions.

STORAGE

Store ExoAir 120 in original, undamaged packages in a clean, dry, protected location with temperatures 40 to 100 °F (5 to 37 °C).

APPLICABLE STANDARDS

ExoAir 120 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 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

FIRE RATED SYSTEMS

None presently listed however engineering judgements may be requested which will be dependent upon the specific wall design for your project. For Firestop engineering judgment requests please go to the following link <http://www.tremcosealants.com/technical-resources/nfpa-285-air-barrierengineering-judgment-request.aspx> or contact Tremco Technical Service at 866-209-2404.

LIMITATIONS

- No more than 30 days of UV exposure before façade installation. If membrane is exposed for a period exceeding 30 days, 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.
- 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 866-209-2404.
- ExoAir 120 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 120 off the floor at an ambient temperature above 50 °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	Polymer-Modified emulsion
Color	Black

TYPICAL PHYSICAL PROPERTIES

Solids	64%
Application	Spray/Roller
Thickness	Minimum 60 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 158 °F (70 °C)

PROPERTY	TEST METHOD	TYPICAL VALUES
Maximum V.O.C.	Method 310	72 g/L
Crack Bridging	ASTM C1305	Pass
Elongation	ASTM D412 Die C	1500%
Water Immersion	ASTM D870	Pass
Pliability, 180°, 1" (25 mm) mandrel @ -29 °F (-34 °C) (Low Temperature Flex)	ASTM D1970 – Section 7.6	Pass
Nail Seal Ability	ASTM D1970 – Section 7.9	Pass
Adhesion	ASTM D4541	Concrete: 20 psi Exterior Sheathing: 17 psi
Water Vapor Permeance	ASTM E96 Dry Cup	0.028 US Perms
	ASTM E96 Wet Cup	0.032 US Perms
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	0.0257 cfm/ft² @ 1.57 psf (0.1307 L/[sm²] @ 75 Pa)
Storage Temperature		40-100 °F (5-37 °C)



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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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.

