

Product Description

ExoAir® 110 is a composite 40-mil sheet designed for use as the membrane or as a component of an air barrier system. ExoAir 110 is 36 mils of self-adhering SBS rubberized asphalt laminated to 4 mils of white, cross-laminated, high-density polyethylene film and a siliconized release liner.

Basic Uses

ExoAir 110 is an impermeable, self-adhered sheet designed to be applied to exterior cavity walls to mitigate air infiltration/exfiltration, vapor transmission and water penetration. ExoAir 110 is typically applied to exterior sheathing boards and concrete block, but can also be applied to poured concrete, steel and wood based substrates. ExoAir 110 also serves as a detailing or transition membrane into window and door openings. ExoAir 110 is designed to be installed when both the air and surface temperature are 30 °F (-1 °C) and rising.

Features and Benefits

- ExoAir 110 has been tested and is compatible with all of the ExoAir product line.
- Manufactured to a preset, uniform thickness that provides consistent and uniform coverage at proper thickness.
- Rugged HDPE film protects SBS membrane against incidental damage during construction process.
- White facer reduces heat absorption compared to facers that may be darker, resulting in lower thermal absorption during the construction cycle.
- Variety of widths available for job specific needs.

Availability

EXOAIR® 110 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:	75' (22 M)	
Width:	6" (15 cm)	4 rolls/box
	9" (22 cm)	2 rolls/box
	12" (30 cm)	2 rolls/box
	18" (45 cm)	1 roll/box
	24" (61 cm)	1 roll/box
	36" (91 cm)	1 roll/box

Colors

White HDPE facer with Green Tremco Logo

Storage

Store ExoAir 110 in the original, undamaged packaging, in a clean, dry, and protected location where temperatures do not exceed 100 °F (37 °C). If material is stored in an area below 40 °F (5 °C), move material to a heated area, 60 to 70 °F (15 to 21 °C) prior to installation.

Shelf Life

2 years when stored in accordance with storage instructions.

Applicable Standards

ExoAir 110 has been tested to the following industry standards for air barriers:

- AATCC 127-2008 Water Resistance: Hydrostatic Pressure Test for 5 hr
- 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 D870 Standard Practice for Testing Water Resistance of Coatings Using Water Immersion
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D4073 Standard Test Method for Tensile – Tear Strength of Bituminous Roofing Membranes
- 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 E154 Standard Test Methods for Water Vapor Retarders used in Contact with Under Concrete Slabs, on Walls or as Ground Cover - Section 10 only
- 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-barrier-engineering-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.
- Keep product from freezing prior to being applied to the substrate. It is best to store ExoAir 110 off the floor at an ambient temperature above 50 °F (10 °C).

EXOAIR® 110

Self-Adhered Air and Vapor Barrier Membrane

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 to 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.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
Type	SBS modified asphalt sheet with white HDPE facer
Color	White HDPE facer with Green Tremco Logo
Solids	100%
Weight	0.30 lb/ft ² (1.46 kg/M ²)
Application	Sheet Applied
Thickness	36 mils SBS asphalt, 4 mils HDPE facer
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	0 g/L
Water Resistance	AATCC-127	Pass
Crack Bridging	ASTM C1305	Pass
Elongation		600%
Tensile Strength	ASTM D412 Die C	960 psi (661.9 N/cm ²)
Water Immersion	ASTM D870	Pass
Tensile Strength	ASTM D882	5.994 N/mm
Adhesion to Common Substrates	ASTM D903	Concrete: 4.691 N/cm Exterior Sheathing: 8.418 N/cm
Lap Peel Adhesion	ASTM D1876	2.47 lbf (10.98 N)
Pliability, 180°, 1" (25 mm) mandrel @ -29 °F (-34 °C) (Low Temperature Flex)	ASTM D1970 – Section 7.6	Pass
Nail Sealability	ASTM D1970 – Section 7.9	Pass
Tensile Strength	ASTM D4073	Machine Direction 24.7 lbs Cross Direction 22.8 lbs
Adhesion	ASTM D4541	25 psi
Water Vapor Permeance	ASTM E96 Dry Cup ASTM E96 Wet Cup	0.01 US Perms 0.02 US Perms
Puncture Resistance	ASTM E154	49 lbf (217.7 N)
Water Penetration	ASTM E331	Passed at 2.86 lb/ft ² (137 Pa) for 15 mins
Air Leakage of material	ASTM E2178; Free Film Method @ 75 Pa	0.00001 cfm/ft ² (0.00005 L/sm ²)
Air Leakage of assembly	ASTM E2357	0.02294 cfm/ft ² @ 1.56 lb/ft ² (0.1147 L/sm ² @ 75 Pa)
Storage Temperature		40-100 °F (5-37 °C)
Application Temperature		Above 40 °F (4.4 °C) and rising
Service Temperature		Intermittent exposure up to 158 °F (70 °C)

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