TREMCO

TECHNICAL DATA SHEET

EXOAIR® 110

Self-Adhered, Air and Vapor Barrier Membrane

PRODUCT DESCRIPTION

ExoAir® 110 is a composite 40-mil sheet designed for use as a component of an air barrier system. ExoAir 110 is 34 mils of self-adhering SBS rubberized asphalt laminated to 6 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 used as a detailing or transition membrane into window and door openings. 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 is designed to be installed when both the air and surface temperature are 20 °F (-6 °C) and rising.

FEATURES & BENEFITS

- ExoAir 110 has been tested and is compatible with all 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

COLORS

White HDPE facer with Green Tremco Logo

PACKAGING

Length:	75’ (22 M)	
Width:	6" (15 cm)	6 rolls/box
	9" (22 cm)	4 rolls/box
	12" (30 cm)	3 rolls/box

STORAGE

Store ExoAir 110 in the original, undamaged packaging, in a clean, dry, and protected location where temperatures do not exceed 86 °F (30 °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 E2178 Standard Test Method for Air Permeance of Building Materials
- AAMA 711

LIMITATIONS

- No more than 3 months of UV exposure before façade installation. If membrane is exposed for a period exceeding 3 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.
- 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).
- Termination Mastic should not be used with ExoAir 110 in a fully encapsulated area.

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	SBS modified asphalt sheet with white HDPE facer
Color	White HDPE facer with Green Tremco Logo

TYPICAL PHYSICAL PROPERTIES

Solids	100%
Weight	0.20 lb/ft² (4.88 kg/M²)
Application	Sheet Applied
Thickness	34 mils SBS asphalt, 6 mils HDPE facer
Storage Temperature	40 to 100 °F (5 to 37 °C)
Application Temperature	Above 20 °F (-6 °C) and rising. If installing below 20 °F (-6 °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 190 °F (87 °C)

PROPERTY	TEST METHOD	TYPICAL VALUES
Maximum V.O.C.	Method 310	0 g/L
Elongation	ASTM D5147	>1000% MD/XMD
Tear Strength @ 73 °F (23°C) lbf	ASTM D5147	120 MD, 55 MD
Low Temperature Flexibility °F (°C)	ASTM D5147	-35(-37) MD/XMD
Static Puncture (over plywood), lbf	ASTM 5602	55
Puncture Resistance, lbf	ASTM E154	130
Lap adhesion, lbf/in	ASTM D1876	12
Water Absorption %	ASTM D5157	<1.0
Peel Resistance**, lbf/in	ASTM D903	11
Water Vapor Transmission, perm	ASTM E96 (Method B)	0.0031
Air Permeability @ 75 Pa, cfm/ft2	AST E2178	0.00001

**Adhered to glass faced gypsum board with primer.

EA110-DS/1022