

ExoAir™ 110/110LT

Self-Adhered Air & Vapor Barrier Membranes



Product Description

ExoAir™ 110 and 110LT (Low-Temperature) Self-Adhered Air & Vapor Barrier Membranes are 36 mils (.90mm) of self-adhering SBS rubberized asphalt laminated to a 4 mil (.10mm) cross-laminated high-density polyethylene film with a siliconized release liner. ExoAir 110 is designed for use at 40°F (5°C) and above. ExoAir 110LT is designed for use between 10°F (-12°C) and 60°F (16°C).

ExoAir 110 and 110LT (hereinafter referred to as ExoAir 110) are designed to be applied to exterior cavity walls to prevent air infiltration/exfiltration, vapor transmission and water penetration. ExoAir 110 is compatible with and part of a complete line of air barrier systems provided by Tremco under the ExoAir brand.

Basic Uses

Studies show air leakage is a common cause of condensation, moisture accumulation and energy loss in exterior wall assemblies. ExoAir 110 combats these problems by adding a layer of protection to properly designed wall assemblies. This protection can improve energy efficiency by up to 40% and provide building occupants with increased comfort. It can also reduce the damaging effects of condensation, and the related risk of mold growth.

ExoAir 110 is typically applied to exterior sheathing boards and concrete block, and can also be applied to concrete, aluminum, steel and wood substrates. ExoAir 110 is also used as a transition membrane into door and window openings and is designed for use with ExoAir™ 120 Fluid-Applied Air & Vapor Barrier Membrane. ExoAir 110 is also used to tie into metal on windows, doors and curtain wall systems. It is compatible with ExoAir TWF - Thru-Wall Flashing Membrane and other ExoAir Air Barrier System components.

Limitations

- Do not apply to damp or contaminated surfaces.
- Not to be used as permanently exposed surface. Contact your local Tremco Sales Representative for project specific recommendations.

Packaging

Available in 75 ft. rolls in 36", 18", 12", 9" and 6" widths.

Applicable Standards

ExoAir 110 meets the most rigorous industry standards for air permeability:

- ASTM E-2178-01 Standard Test Method for Air Permeance of Building Materials
- Massachusetts State Building Code 780 CMR 13 Energy Conservation Requirements for the Building Envelope

Installation

Concrete shall be in place for a minimum of 7 days. All surfaces must be sound, clean and dry. Substrate should have a smooth surface free of sharp protrusions, fins and voids. All concrete block wall mortar joints need to be struck flush.

Apply ExoAir 10 Primer, ExoAir Primer or ExoAir 10WB (Water Based) Primer at a rate of approximately 250 ft²/gal depending on porosity of surface. Allow ExoAir 10 Primer to dry to a non-transferable tacky film. Allow ExoAir Primer and ExoAir 10WB Primer to dry completely. Refer to the ExoAir Primer information sheet for additional details. Adhere a cut strip of ExoAir 110 to fit each application. Remove release paper then press into place. Upon installation of each piece, use a roller to apply pressure to the entire surface to remove all air pockets and assure positive contact to substrate. Overlap adjacent pieces 2" (5.08cm).

Apply ExoAir Termination Mastic or other pre-approved Tremco sealant at all penetrations, lap joints not oriented to shed water, and T-joints.

Availability

Immediately available from your local Tremco Sales Representative or Distributor.

Warranty

Tremco warrants its ExoAir products to be free of defects in materials, but makes no warranty as to appearance or color. There are numerous circumstances that can affect the results obtained from using ExoAir products, including, but not limited to, project design, installation of products, workmanship of various trades, substrate condition and other on-site conditions. Because these conditions are beyond our control, Tremco cannot guarantee that irritants such as mold will be prevented or eliminated, and Tremco makes no other warranties, expressed or implied, including the implied warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco's ExoAir products. If any ExoAir product is proven to be defective, Tremco's sole obligation shall be, at its option, to replace or refund the quantity of the defective Tremco product. Tremco shall not be liable for any consequential or incidental loss or damage.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Values
Air Permeance	ASTM E2178-01	(NML) No Measurable Leakage
Elongation (Membrane)	ASTM D412 Die C	250%
Tensile Strength (Membrane)	ASTM D412 Die C	500 psi
Tensile Strength (Film)	ASTM D412 Die C	5,000 psi
Puncture Resistance - Membrane	ASTM E154	55 lbs
Pliability, 180° - 1" mandrel @ -25°F, -32°C	ASTM D1970	Pass
Moisture Absorption	ASTM D570	.1%
Permeance	ASTM E96B	.05 perms



Tremco Commercial Sealants & Waterproofing

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