

ExoAir™ 110/110LT

Self-Adhered Air & Vapor Barrier Membranes

Product Description

ExoAir™ 110 and 110LT Self-Adhered Air and Vapor Membranes are 36 mils (.90 mm) of self-adhering SBS rubber asphalt laminated to a 4 mil (.10 mm) cross laminated high-density polyethylene film with a siliconized release liner.

Basic Uses

ExoAir™ 110/110LT is designed to be applied to exterior cavity walls to prevent air infiltration/exfiltration, vapor transmission and water penetration. ExoAir 110/110LT is typically applied to exterior sheathing boards and concrete block, but can also be applied to poured concrete, steel and wood substrates. It also serves as a transition membrane from ExoAir 120 Fluid Applied Air and Vapor Membrane or ExoAir 220 Fluid Applied Vapor Permeable Membrane into window and door openings.

ExoAir 110 is designed for use when ambient temperatures are 40°F (5°C) and greater. ExoAir 110LT is used when ambient temperatures are 10°F (-12°C) to 60°F (16°C).

Features and Benefits

ExoAir 110/110LT is manufactured to a preset thickness to provide uniform coverage at a proper thickness across the entire application area. The rugged PE film protects the SBS membrane against incidental damage that may occur during the construction process. The self-sealing nature of the SBS rubber will allow for brick ties to be installed after the self-adhered air and vapor membrane without creating holes in the membrane. A variety of widths available allow the installer to adjust to meet the needs of the specific project by selecting a width that allows for reduced on-site cutting and forming.

ExoAir 110/110LT is a part of the complete line of air barrier materials available from Tremco. It is tested for compatibility with ExoAir 120 Fluid Applied Air and Vapor Membrane and ExoAir 220 Fluid Applied Vapor Permeable Membrane as well as all other ExoAir accessory products to provide a complete system that will perform over time.

Packaging

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

Applicable Standards

ExoAir 110/110LT meets the most rigorous industry standards for air permeability.

- ASTM E-2178 Standard Test Method for Air Permeance of Building Materials
- Massachusetts State Building Code 780 CMR 13 Energy Conservation Requirements for the Building Envelope
- ASTM E-2357 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies

Storage

Store ExoAir 110/110LT in original, undamaged packages in a clean, dry, protected location with temperatures not exceeding 100° F (37° C). If material is stored in an area below 40° F (5° C), move materials to a heated area, 60° F (15° C) to 70° F (21° C) prior to installation.

Installation

Refer to ExoAir 110/110LT/TWF Application Instructions for specific application details. The techniques involved may require modification to adjust to jobsite conditions. Consult Tremco for specific design requirements.

Primer is required. Refer to ExoAir Primer information sheet and ExoAir 110/110LT/TWF Application Instructions for more information.

The use of ProGlaze ETA (Engineered Transition Assembly) is highly recommended to provide a proven, long-lasting tie-in between the window and air barrier system that is far superior to the standard caulk method.

Reference details are available online at www.tremcosealants.com.

Availability

ExoAir 110/110LT is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit www.tremcosealants.com.

Limitations

- Do not apply to damp or contaminated surfaces.
- Not to be used as a permanently exposed surface.

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 E-2178-01	NML (No Measurable Leakage)
Air Leakage of Air Barrier Assembly	ASTM E-2357	.004 cfm/sf @ 75 Pa NML (No Measurable Leakage)
Elongation (Membrane)	ASTM D-412 Die C	250%
Tensile Strength (Membrane)	ASTM D-412 Die C	500 psi
Tensile Strength (Film)	ASTM D-412 Die C	5000 psi
Puncture Resistance (Membrane)	ASTM E-154	55 lbs
Pliability, 180° - 1" mandrel @ -25°F, -32°C	ASTM D-1970	Pass
Moisture Absorption	ASTM D-570	0.1%
Permeance	ASTM E-96B	.05 perms



Tremco Commercial Sealants & Waterproofing

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