
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

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 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.

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 | 0.20 lb/ft ² (4.88 kg/M ²) |
| 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 E95 (Method B) | 0.0031 |
| Air Permeability @ 75 Pa, cfm/ft2 | AST E2178 | 0.00001 |

**Adhered to glass faced gypsum board with primer.