

ExoAir™ 220



Fluid Applied Vapor Permeable Air Barrier Membrane

Product Description

ExoAir 220 Fluid-Applied Vapor Permeable Air Barrier membrane is a monolithic elastomeric membrane designed to be rolled on exterior above-grade wall assemblies to prevent air infiltration/exfiltration while remaining permeable to the passage of water vapor.

Basic Uses

ExoAir 220 is typically applied to exterior sheathing boards, concrete block, poured concrete or wood substrates as a vapor permeable system material. Additional air & vapor barrier system components available from Tremco include ExoAir 110/110LT, which can be used to transition into door and window openings, and ExoAir TWF, a thru-wall flashing for masonry applications.

Features and Benefits

ExoAir 220 is a water-based, fluid-applied vapor permeable membrane. This monolithic system reduces the number of seams, which have the potential to leak if not properly treated. Primerless adhesion reduces the number of steps in the installation process reducing both the number of materials required for the system and labor time required.

The vapor permeable properties of the membrane stop air, but allow water vapor to pass through the membrane. Water impermeable membranes trap moisture on the side of the membrane where it occurs. If improperly placed, water can become trapped within the wall with nowhere to escape in the event condensation forms. Vapor permeable systems allow the vapor to diffuse through the assembly to the plane in the wall where it can be carried out of the assembly, preventing the build-up of condensation. As a result, vapor permeable systems allow the designer more flexibility in placement of the air barrier membrane.

Standard Color

Black

Packaging

ExoAir 220: 5 Gallon (19L) Pails and 52 Gallon (197 L) Drums

Applicable Standards

ExoAir 220 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

Installation

Refer to ExoAir 220 Application Instructions for specific application details. The techniques involved may require modification to adjust to jobsite conditions. Consult Tremco for specific design requirements.

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 220 is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit www.tremcosealants.com.

Limitations

- Do not apply to contaminated surfaces.
- Not to be used as a permanently exposed surface. Contact your Tremco Representative for specific project requirements.
- Not for use in temperatures below 40°F (4°C).
- Keep from freezing prior to application. It is best to store ExoAir 220 off the floor at an ambient temperature greater than 50°F (10°C). Opened drums or pails should be sealed tightly before storage.

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	Description
Type	Polymer-modified emulsion
Color	Black
Solids	56%
Density	8.7 lbs/gal
Application	Spray or Roller
Cure Time	16-24 hours at 75°F (23°C) at 50% R.H.
Thickness	Minimum 40 mils (dry)

Property	Test Method	Typical Values
Air Permeance	ASTM E2178-01 CCMC 07273	.00120 L/s/m ²
Elongation	ASTM D412 Die C	900%
Tensile Strength	ASTM D412 Die C	325 psi
Water Vapor Permeance	ASTM E96	12
Maximum V.O.C.		100 grams/liter
Air Barrier Assembly Air Leakage	ASTM 2357	.002 cfm/sf @ 75 Pa NML (No Leakage)



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