

ENVIRO-BARRIER™

Elastomeric Fluid Applied Air & Vapor Barrier

Manufacturer

Hohmann & Barnard
30 Rasons Court
Hauppauge, NY 11788-4206

Product Description

ENVIRO-BARRIER is a single component, fluid applied, elastomeric membrane with a blend of synthetic polymers and special additives to provide an air, water and vapor barrier when applied to above grade wall assemblies. ENVIRO-BARRIER is manufactured to a thick consistency allowing the material to easily hang on vertical surfaces. The thick consistency also allows for ENVIRO-BARRIER to be sprayed at a thickness of 60 mils in a single pass unlike many other products currently on the market. It cures to form a resilient, monolithic, fully adhered elastomeric membrane, which resists air leakage and water penetration plus acts as a vapor barrier.

Features/Benefits

- Meets and exceeds highest industry standards for air barrier performance
- Effectively coats rough and porous surfaces
- Cost effective easy spray application
- Asphalt-free formulation
- Excellent adhesion to most construction materials such as exterior gypsum board, CMU, concrete, stone, wood and metal.
- Retains flexibility over wide temperature range.

Complies with NFPA 285 in various wall assemblies

Preparation

All surfaces to receive ENVIRO-BARRIER shall be thoroughly dry, clean and free from loose materials, and reasonably smooth. Expansion and control joints and exterior sheathing joints must be detailed (*please refer to H&B ENVIRO-BARRIER installation instruction guide*)

Application

ENVIRO-BARRIER may be applied by brush or heavy-duty airless spray equipment in a single monolithic application. ENVIRO-BARRIER must transition onto detail membranes to create a seamless airtight plane. Regularly monitor wet mil thickness during application to assure adequate coverage. Coverage rate should be 25 square feet per gallon to achieve a 60 mil wet film thickness that will cure to a 40 mil membrane, (*please refer to installation instruction guide and recommended details.*)

Inspection

All areas that receive H&B ENVIRO-BARRIER should be regularly inspected for uniformity of application and checked periodically using a wet film mil thickness gauge.

Limitations

ENVIRO-BARRIER should not be used in areas where it will be permanently exposed to sunlight, weather or traffic. Maximum exposure time should be 120 days. ENVIRO-BARRIER may be applied to damp surfaces and concrete surfaces should be cured a minimum of 3 days prior to installation. Upon initial tack cure, light rain showers will not affect the membrane.

Packaging

ENVIRO-BARRIER comes in 5-gallon pails and 55-gallon drums.

Storage & Handling

ENVIRO-BARRIER should be stored under cover in original sealed containers above 40°F and below 100°F. ALWAYS keep ENVIRO-BARRIER from freezing. The shelf life for unopened containers is 1 year.

Cleanup

Wet uncured material may be removed with soapy water. For dry fully cured primer, a citrus-based cleaner may be used.

ENVIRO-BARRIER Test Data

<u>Test</u>	<u>Method</u>	<u>Result</u>
Air Permeance	ASTM E2178	0.00008 cfm/ft ²
Air Barrier Assembly	ASTM E2357	Infiltration @ 75Pa – 0.0008 cfm/ft ² Exfiltration @ 75Pa – 0.0002 cfm/ft ²
Water Vapor Permeance	ASTM E96	0.050 perms (Method B)
Elongation	ASTM D412	600%
Pull Adhesion	ASTM D4541	178.07 psi (CMU), 37.41 (sheathing)
Water Resistance	AATCC127-2008	Pass (No evidence of water penetration)
Nail Sealability	ASTM D 1970	Pass (No water leakage)
Low Temp. Flexibility	ASTM C836	Pass
Peel Strength	ASTM D903	5.1 lbf/in
Color		Medium Blue
Application Temperature		40°F - 120°F
Percentage of Solids		65%
UV Resistance		Up to 120 days
Flame Spread Index	ASTM E84	20 (Class A Fire Rating)
Smoke Developed Index	ASTM E84	55 (Class A Fire Rating)
Drying Time		Tack Free 2 – 4 hours Full Cure 24 – 48 hours

Warranty

Contact the manufacturer for complete information on product warranty conditions, duration and remedies. Hohmann & Barnard, Inc. makes no warranties, either expressed or implied, of correctness and fitness for use for any particular purpose. The recipient agrees that any use of product information and electronic files is at their own risk. In no event shall Hohmann & Barnard, Inc., be liable for direct, indirect or consequential damages as a result of the recipient use or reuse of product information or electronic files. Hohmann & Barnard, Inc., shall be held harmless against all damages, liabilities or costs, including reasonable attorney fees and defense costs, arising out of or resulting from use of product information or electronic files.