



Bautex AMB 20-WP

Water-Borne Vapor-Permeable Air and Moisture Barrier

Division 7, Section 072726

Meets Federal EPA's VOC Requirements

Complies with California Air Resource Board (CARB), South Coast Air Quality Management District (SCAQMD) and OTC/LADCO

1. PRODUCT NAME

Bautex AMB 20-WP Water-Borne Vapor-Permeable Air and Moisture Barrier

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Bautex AMB 20-WP is a water-based liquid membrane vapor-permeable air barrier made of 100% virgin acrylic resins, intended for use on commercial cavity walls to prevent air and water movement, save energy and prevent damage to structures caused by moisture condensation, mold and mildew. The barrier creates a solid barrier against air penetration, which minimizes energy loss and condensation issues. The barrier forms a continuous film that repels wind-driven rain, but is permeable to water vapor, allowing unwanted moisture to escape the occupied spaces and the substrate.

The barrier is also highly resistant to dirt, acid, alkalines, airborne pollutants, mildew and degradation from freeze and thaws. Bautex AMB 20-WP has a U.V. resistance of 12 months, and will bridge cracks, even across different substrates across a wide range of temperatures.

The barrier is chemically resistant to algae, bacteria, alkalis, acids and degradation from freeze/thaw or ultraviolet rays. The barrier can be applied to the surface of brick, poured concrete, and concrete block cavity walls, and can be sprayed, rolled, or brushed to provide a continuous film layer. The barrier contains no plasticizers and will not become hard or brittle through many years of exposure.

Basic Uses

Bautex AMB 20-WP is a water-based elastomeric air barrier designed to minimize air movement through exterior walls resulting in energy savings. The barrier provides an elastic and long-lasting air and vapor barrier coating for properly prepared walls including Bautex Block, exterior poured concrete, concrete block, plywood, green treated wood, OSB

board and exterior grade gypsum sheeting.

Advantages

- Reduces air flow through exterior walls resulting in energy savings
- Tough, seamless, elastomeric film
- Superior water repellency
- Maintains flexibility through multiple weathering cycles
- Contains no external plasticizers
- Excellent low-temperature flexibility
- Ideal coating for sealing and waterproofing hairline cracks
- Pemeable to water vapor

4. TECHNICAL DATA

Bautex AMB 20-WP is a single component liquid applied air barrier coating that is elastic and permeable to water vapor.

Weight/gallon	11.7 lbs
% Solids by Weight	54% +/-2
Flash Point:	None
Drying Time: Tack Free	24 hours (recoat immediately)
Drying Time: Full Cure	72 hours (depending on ambient temperatures)

Composition and Materials

A rubberized polymer blend.

Applicable Standards

Bautex AMB 20-WP meets or exceeds the following standards (see back page for a chart detailing these standards).

- VOC Content: Less than 100 g/l
- A.I.M. Category: Waterproofing Sealer and Treatment - maximum VOC 600 g/l
- A.I.M. Definition: A coating formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water and air.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Before buying and using this product, completely read the product label, this technical data sheet and the product Safety Data Sheet (SDS), which are available from authorized distributors or at bautexsystems.com/tools-resources

Material is ready for use and requires no mixing unless signs of separation are observed. It is unlawful to further reduce this product with non-exempt solvents.

Bautex Block

A clean, dry, surface is required when applying Bautex AMB 20-WP. New concrete should be allowed to cure until free moving or bleed water is no longer present. The wall surface should be frost-free. Poured Bautex Block walls should be allowed to fully cure. Since Bautex walls have a roughened surface, best results are achieved by spraying a light first coat, followed by a second thick coat to reach required mill thickness.

Masonry

CMU mortar must be tooled at a minimum. All masonry block and poured concrete voids, form tie holes and honeycombed areas should be filled and repaired. Remove loose mortar, smears and dirt that will affect adhesion with a wire brush. Bautex AMB 20-WP should be applied directly to the clean substrate surface. Concrete block laid and walls poured late in the year should be allowed to gain sufficient strength in order to ensure good adhesion of the barrier to the wall.

Exterior Gypsum Sheeting

Bautex AMB 20-WP can be applied directly to exterior sheathing panels, including exterior drywall, orientated strand board (OSB), plywood, and glass-faced board. Fasten corners and edges with appropriate screws. Fasteners should be driven flush with the panel surface (not countersunk). All joints and seams need to be caulked with TK[®] Super Seal PE[™] or with an approved polyurethane caulk, or taped with TK[®] Climate Flash[™] or approved equal. All corners need to be taped with TK[®] Climate Flash[™] or approved equal. Surface should be clean and free of frost or excess moisture.

Penetrations

Transition and control joints of 1/32 - 3/8" should be filled with, TK[®] Super Seal PE[™] or with an approved polyurethane caulk. Allow caulking membrane to cure before applying Bautex AMB 20-WP. Larger joints should be covered with TK[®] Climate Flash[™] or approved equal.

Window or Doors

Flanges may be connected using one or a combination of the following products: TK[®] Super Seal PE[™] or with an approved polyurethane caulk or TK[®] Climate Flash[™] or approved equal.

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Large Openings

Openings greater than .350 - 1.0" should be detailed to cover the opening with approved all-weather flashing tape after coating the substrate with Bautex AMB 20-WP, and allowing the membrane to dry. For expansion joints apply Bautex AMB 20-WP to the substrate, allow the barrier to cure, and then apply TK® Climate Flash™ or approved equal over the cured membrane.

Equipment

A typical sprayer is a Graco® 7900 with a working pressure of 3,300 psi that delivers 2.1 gallons per minute with a tip size 0.027 to 0.033. Use a 3/8" pressure rated hose. Brush and/or roller will also work for small applications or touch up.

Coverage

The coverage rate of Bautex AMB 20-WP is inversely affected by the texture and porosity of the substrate. One coat is sufficient when applied at 30-40 ft² per gallon, or 40-45 wet mil film. Any area that is thin can be recoated. Total dried and cured coating will be 25-28 mil.

Limitations

Bautex AMB 20-WP can only be applied at temperatures greater than 40°F, and will remain so for the duration of the application process. Do not apply if rain is expected within 24 hours of application or during high humidity conditions. Maximum allowable moisture content in the substrate is 17%. This product should not be applied to rigid insulation or over

silicone rubber sealants or caulks. Bautex AMB 20-WP should be fully cured before rigid insulation is installed over the membrane. Bautex AMB 20-WP is not resistant to aromatics or solvents containing ketones or esters. Refer to Bautex Technical Bulletins on recommendations for application of this product to concrete or other porous substrates.

Cleanup of Equipment

Clean all equipment, tools, and spills with soap and water before the material dries.

Precautions

DO NOT LET PRODUCT FREEZE. Keep containers tightly sealed.

First Aid

Ingestion: Induce vomiting and call a physician immediately. Eye Contact: Do not rub eyes, flush with clean water for 15 minutes. Skin Contact: Remove by washing thoroughly with soap and water. If eye or skin irritation continues, obtain medical assistance. For further safety controls, Safety Data Sheets are available from Bautex Systems LLC. This information should be read before using this product.

6. AVAILABILITY

Bautex AMB 20-WP is available through Bautex Systems and through Bautex Systems distributors in some markets. Contact Bautex Systems for your local authorized distributor.

Packaged in 55-gallon drums and 5-gallon pails.

7. CONDITIONS OF SALE, LIMITED WARRANTY

Inasmuch as the use of Bautex Systems' product by others and other factors affecting product performance are beyond Bautex Systems' control, Bautex Systems does not guarantee the results to be obtained. Bautex Systems provides a limited warranty. A sample Bautex Limited Warranty Statement and Terms and Conditions of Sale and Acceptance are available upon request.

8. TECHNICAL SERVICES

Bautex Systems offers assistance with specifications, performance test data and field support.

BAUTEX SYSTEMS DISCLAIMER

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. See also CONDITIONS OF SALE, LIMITED WARRANTY (Section 7) above.

Applicable Standards	Requirements	Performance
ASTM E 2178 - Standard Test Method for Air Performance of Building Materials	< 0.004 CFM/ft ² < 0.02 L/s/m ²	0.0008 CFM/ft ² 0.0038 L/s/m ²
ASTM E 2357 - Standard Test Method for Determining Air Leakage of Air Assemblies	< 0.04 CFM/ft ² < 0.20 L/s/m ²	0.0022 CFM/ft ² 0.011 L/s/m ²
ASTM E 96 - Water Vapor Transmission and Vapor Permeability Test, Procedure B	Declared Value	986 Ng/(Pa*s*m ²), 17.26 Perms
AATCC Test Method 127 - Water Resistance, Hydrostatic Pressure Test	No water penetration after 5 hours @ 55 cm (21.7 in) hydrostatic pressure	Pass
ASTM D 4541 - Standard Test Method for Pull Off Strength of Coatings Using Portable Adhesion Testers	110 kPa	970 kPa 140.7 psi
ASTM D 1970, Section 7.9 - Fastener Sealability	Pass	Pass

* Full test reports available at bautexsystems.com/tools-resources