



#1 CHOICE OF PROFESSIONALS®

Air-Bloc 32

Liquid Emulsion Air and Vapor Barrier Membrane

Physical Properties

-Color	Beige	-Water Vapor Permeance (ASTM E-96)	0.08 perms (5 ng/Pa.m ² .s)
-Solids by Volume	55%	-Air Permeability (Applied at 14 ft ² /gallon to a concrete block wall. Tested at 73°F.)	
-Weight	8.8 lbs/gallon (approx.)		
-Coverage	14 ft ² /gallon		
-Drying Time	@50% R.H. 68°F		
Initial Set	2 Hours		
Set Through	24 Hours		
-Service Temperature	-40°F to 160°F		
-Application Temperature	40°F (minimum)		
-Chemical Resistance	Resists salt solutions, mild acids and alkalis. Non-resistant to oils or solvents.		
		<u>Pressure (lbs/ft²)</u>	<u>Air Leakage (CFM/ft²)</u>
		75	0.00012
		250	0.00014
		500	0.00020
-Tensile Strength (ASTM D412)	120 psi (typical)	-Resistance to Gust Wind Load	Resists a suction pressure of 62.8 lbs/ft ² maintained for 10 seconds with no increase in air leakage rate when tested at 1.6 lbs/ft ² .
-Elongation (ASTM D412)	800% (typical)	-Resistance to Sustained Wind Load	Resists a suction pressure of 20.9 lbs/ft ² maintained for 1 hour with no increase in air leakage rate when tested at 1.6 lbs/ft ² .
-Recovery (CSGB 37.58-M86)	90%	-Flammability	
-Peel Strength to Concrete (Dry) (ASTM C836)	25 lbs.in (typical)	Wet	Non-flammable
-Aging (Long Term Flexibility) (CGSB 71-GP-24M)	No fracturing	Dry	Burns
-Chemical Resistance	Resists salt solutions, mild acids and alkalis. Non-resistant to oils, grease or solvents.		
-Maximum V.O.C.	100 grams/liter		
-Watertightness (CAN/CGSB-37.58-M86)	Pass		

Description

Air-Bloc 32 is a one component, liquid applied, elastomeric membrane designed to provide an air and vapor barrier when applied to construction surfaces. Cures to a tough monolithic rubber-like membrane, which resists air leakage. Meets CAN/CGSB-51-33 Type I Water Vapor Permeance requirements.

Features

- Seamless elastomeric membrane.
- Retains flexibility over a wide temperature range.
- Easy, low cost spray application.
- Low water vapor permeance provides vapor barrier.
- Excellent adhesion to most construction surfaces such as block, concrete, stone, wood and metal insulation and gypsum board.
- Can be applied to damp concrete.
- Bridges cracks.
- Low volatile organic content and environmentally friendly.
- Can be applied directly to polystyrene insulation.

Uses

Used to provide an air, vapor and rain barrier on construction surfaces such as masonry, concrete or gypsum board.

Packaging

Air-Bloc 32 is packaged in 55 gallon drums and 5 gallon pails.

Limitations

Not designed to perform as a permanently exposed surface. Must be protected from damage during construction. Do not apply to wet surfaces.

Air-Bloc 32 shall not be applied when ambient (air) and substrate temperatures are below 40°F. The product should not be applied if it is raining, or if the possibility of rain is likely within 16 hours. The product should not be applied if it is expected that the ambient temperature will fall below 32°F within 48 hours.

Surface Preparation

All surfaces must be clean, free of frost, grease, dirt, or other contaminants and must be reasonably smooth.

Joints between panels of exterior grade gypsum, plywood and rigid insulation up to ¼" (wide shall be filled with a trowel application of **Air-Bloc 32** and reinforced with a strip of 2" wide glass fiber tape such as Henry Yellow Jacket prior to application of liquid membrane. Joints between panels of exterior grade gypsum or plywood wider than ¼" should be sealed with **Blueskin**® membrane adhered to the substrate. Joints wider than ¼" between panels of rigid insulation are not permitted.

Cracks in masonry and concrete up to ¼" wide shall be filled with a trowel application of **Air-Bloc 32** and allowed to cure overnight prior to application of the liquid membrane to the surface, or alternatively, the cracks may be sealed with a strip of **Blueskin**® membrane applied to the substrate. Cracks wider than ¼" should be sealed with **Blueskin**® membrane adhered to the substrate lapped a minimum of 3" on both sides of the crack.

Transition joints between dissimilar materials at beams, columns, window and door frames etc. should be sealed with strips of **Blueskin**® membrane lapped a minimum of 75mm on both substrates. Mechanical attachment should be made to all window and door frames, or a properly designed sealant joint should be provided.

Application

Air-Bloc 32 may be applied by trowel, however application by spray is the preferred method. The material should be applied at a rate of 14 ft²/gallon to give a wet film thickness of 120 mils. **Air-Bloc 32** can be applied in a single coat. The preferred method of application is to mark areas off and ensure that the appropriate volume has been sprayed over this area. During spraying, the material should be applied in horizontal strokes ensuring even application of the product, and then applied in vertical strokes, again ensuring even application.

Clean Up

Spray equipment can be flushed out with water. Use mineral spirits to remove dried films.

Caution

DO NOT TAKE INTERNALLY! Use protective measures to avoid contact with eyes and skin. If swallowed, CALL PHYSICIAN IMMEDIATELY! In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION! Do not heat container or store at temperatures greater than 120°F. Close container after each use. KEEP OUT OF REACH OF CHILDREN.

Limited Warranty

We, the manufacturer, warranty only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise. <>