

Air-Bloc 32MR

Fluid Applied Air, Water & Vapor Barrier Membrane

Physical Properties – Typical

-Color	Beige	-VOC content, max.	100 grams/liter, max
-Solids by Weight	55%	-Watertightness CAN/CGSB-37.58-M86	Pass
-Weight	8.3 lbs/gal (1.0 kg/l)	-Water Vapor Permeance ASTM E-96, proc B @3mm (1/8")	0.08 perms (5 ng/Pa.m ² .s)
-Drying Time@50% R.H. +20°C	2 Hours to touch dry 24 Hours to firm dry	-Air Permeability Tests -ASTM E283, Applied at 3 l/m ² to CMU wall	
-Service Temperature	-40°F to +158°F (-40°C to +70°C)	<u>Pressure (Pa) @23°C</u>	<u>Air Leakage (L/s.m²)</u>
-Application Temperature	40°F to 122°F (+4°C to +50°C)	75	0.0006
-Tensile Strength ASTM D412	820 kPa	250	0.0007
-Elongation ASTM D412	800%	500	0.0010
-Recovery CAN/CGSB 37.58 - M86	90%	-ASTM E2357, Assembly Air Leakage Testing	Pass
-Peel Strength to Concrete, dry ASTM C836	25 lbf/in (4.5 kN/m)	-ASTM E2178 @ 75Pa	0.0006 L/s.m ²
-Aging -Long Term Flexibility CGSB 71-GP-24M	No fracturing	-Resistance to Gust Wind Load	Resists a suction pressure of 3000 Pa maintained for 10 seconds with no increase in air leakage rate when tested at 75 Pa.
		-Resistance to Sustained Wind Load	Resists a suction pressure of 1000 Pa maintained for 1 hour with no increase in air leakage rate when tested at 75 Pa.
		-Chemical Resistance	Resists salt solutions, mild acids and alkalis. Non-resistant to oils, grease or solvents.
		-Resistance to Mold, Mildew & Fungal growth ASTM D5590	-0- No Growth

Reference Test & Standards

ASTM E2357 Air Barrier Assembly Test	ASTM D5590 Mold/Mildew/Fungus Resistant	ABAA Accreditation	Massachusetts Commercial Energy Code (780 CMR, Chapter 13)
--	---	---------------------------	--

Description

Air-Bloc 32MR is a single component, fluid applied, elastomeric membrane designed to provide an air, water and vapor barrier when applied to above grade wall assemblies. This product cures to a tough monolithic rubber-like membrane which resists air leakage and water penetration plus acts as a vapor barrier. **Air-Bloc 32MR** combines the proven performance of Air-Bloc 32 with the addition of Henry antimicrobial technology to create an integral mold resistant membrane.

Features

- Seamless, non-permeable elastomeric membrane for above grade wall assemblies
- Retains flexibility over a wide temperature range. Cold applied by trowel or spray
- Meets highest industry standards for air barrier performance
- Integral mold resistant formulation
- Easy, low cost spray application
- Effective moisture vapor barrier
- Excellent adhesion to most construction surfaces such as exterior gypsum board, CMU, concrete, stone, wood and metal

Air-Bloc 32MR Fluid Applied Air, Water & Vapor Barrier Membrane

Uses

Air-Bloc 32MR is used in construction of high performance wall assemblies requiring a vapor barrier combined in an air & water barrier membrane. Integrated with Blueskin flashing and accessories to form a complete wall system meeting highest industry performance standards. Commonly used on variety of wall substrates and sheathing prior to installation of exterior cladding.

Limitations

Must be protected from damage during construction. **KEEP FROM FREEZING.** Do not apply to wet surfaces. Not designed for permanent exposure to weather - protect as soon as possible, however can be exposed up to 3 months if necessary to accommodate construction scheduling.

Air-Bloc 32MR shall not be applied when ambient (air) and substrate temperatures are below 40°F (5°C). 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 24 hours. Following installation of **Air-Bloc 32MR** in new building construction, CMU walls where product has been applied must be protected at the roof line to prevent water infiltration into the wall cavity.

In hot weather or direct-sun applications over porous substrates, such as concrete, rapid surface drying can form blisters. A thin 'prime coat' application to substrate, which is allowed to dry, often prevents blister formation in subsequent application. Alternatively a two coat application vs. single heavy coat – with back rolling of base coat – also aids in prevention of blistering in hot weather.

Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar or other contaminants. New concrete should be cured for a minimum of 16 hours before **Air-Bloc 32MR** is applied. Concrete surfaces should be free of large voids and spalled areas.

Joint & Crack Treatment

Dynamic or expansion joint treatment must be in compliance with projects' architectural details and specifications.

Sheathing or Substrate Non-Moving Joint Treatment Options:

Note: apply per products' published Technical Data Sheets

<i>Non-Moving Joint Width</i>	Method #1 Sealant Method	Method #2 Fluid-Ap Method	Method #3 Self-adhered Sheet Method
Less than 6mm (1/4")	<ol style="list-style-type: none">HE 925 BES SealantFill and strike smoothAllow to dry	<ol style="list-style-type: none">Fill with Air-Bloc 32MR by trowel, extending beyond joint line a minimum 3" (75mm) onto face of substrateFully embed minimum 2" (50mm) wide HE183 Yellow Glass Fabric reinforcing tape into wet Air-Bloc 32MR – centered over joint.	<ol style="list-style-type: none">Apply Blueskin Adhesive or Blueskin LVC AdhesiveAllow to dryApply self-adhered membrane – roll in place. <p><u>Select One:</u></p> <ul style="list-style-type: none">Permeable option:<ol style="list-style-type: none">Blueskin VP 160Non-permeable option:<ol style="list-style-type: none">Blueskin SABlueskin SA LTFoilskin/MetalClad
6mm (1/4") to 12mm (1/2")	Same As Above	Not Recommended	Same As Above

Air- Bloc 32MR Fluid Applied Air, Water & Vapor Barrier Membrane

Application

Air-Bloc 32MR may be applied by brush or heavy-duty airless spray in a single or dual-coat application. Apply in continuous, monolithic application without sags, runs or voids, transitioning onto flashing membrane to create a uniform drainage plane and air-barrier. Regularly monitor wet mil thickness during application to assure adequate coverage.

Coverage Rates: Apply per published architectural specifications. Typical application rates include:

- **Smooth Surfaces** such as exterior gypsum sheathing or formed concrete: 5 gal US / 100ft² (2.0 l/m²) to give a wet film thickness of approximately 75 mils (40 mils dry) depending on texture and porosity of surface.
- **Rough Surfaces** such as CMU: 7gal US / 100ft² (2.8 l/m²) to give a wet film thickness of approximately 110 mils (60 mils dry) depending on texture and porosity of surface.

Clean Up

Use waterless hand cleaner for skin. Spray equipment can be flushed out with water. Use citrus based cleaners 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.**

Product Sizes

5 gal pails, 55 gal drums

Limited Warranty

Contact Warranty Department at warranty@henry.com or location shown below for product or systems warranty information.

STATEMENT OF RESPONSIBILITY

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.

<>