

## Typical Physical Properties

<b>-Colour</b>	Beige	<b>-VOC content, max.</b>	100 grams/liter, max
<b>-Solids by Weight</b>	55%	<b>-Watertightness</b>	Pass
<b>-Weight</b>	1.0 kg/l (8.3 lbs/gal)	<b>-Water Vapour Permeance</b> ASTM E-96, proc B @3mm (1/8")	5 ng/Pa.m <sup>2</sup> .s (0.08 perms)
<b>-Drying Time @50% R.H.</b> +20°C (+68°F), Dry Substrate	2 Hours to touch dry 24 Hours to firm dry	<b>-Air Permeability Tests</b> ASTM E283, applied at 3 l/m <sup>2</sup> to CMU wall	
<b>-Service Temperature</b>	-40°C to +70°C (-40°F to +158°F)	75 Pa @23°C	0.0006 L/s.m <sup>2</sup>
<b>-Application Temperature</b>	+4°C to +50°C (40°F to 122°F)	250 Pa @23°C	0.0007 L/s.m <sup>2</sup>
<b>-Tensile Strength</b> ASTM D412	820 kPa (119 psi)	500 Pa @23°C	0.0010 L/s.m <sup>2</sup>
<b>-Elongation</b> ASTM D412	800%	ASTM E2357, Assembly Air Leakage Testing	Pass
<b>-Recovery</b> CAN/CGSB 37.58 - M86	90%	ASTM E2178 @ 75 Pa	0.0006 L/s.m <sup>2</sup> (0.00012 cfm/ft <sup>2</sup> )
<b>-Peel Strength to Dry</b> Concrete, ASTM C836	4.5 kN/m (3319 lbf/ft)	<b>-Resistance to Gust Wind Load</b>	Meets Mass/Canadian code requirements for air leakage @ 3000Pa gust load suction pressure
<b>-Aging Long Term Flexibility</b> CGSB 71-GP-24M	No fracturing	<b>-Chemical Resistance</b>	Resists salt solutions, mild acids and alkalis. Non- resistant to oils, grease or solvents.
<b>-Nail Sealability</b> ASTM D 1970	Pass	<b>-Fire Testing</b>	Complies with NFPA 285 in various wall assemblies
<b>-Resistance to Mold, Mildew &amp; Fungal growth</b> ASTM D5590	-0- No Growth	<b>-Flame Spread</b> ASTM E84	20
		<b>-Smoke Developed</b> ASTM E84	55

## Reference Test & Standards

<b>ASTM E2357</b> Air Barrier Assembly Test	<b>ASTM D5590</b> Mold/Mildew/Fungus Resistant	<b>ABAA Accreditation</b>	<b>CAN/CGSB-37.58-M86</b>
--	---	---------------------------	---------------------------

## Description

**Air-Bloc® 32MR** is a single component, fluid applied, elastomeric membrane designed to provide an air, water and vapour 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 vapour barrier. **Air-Bloc® 32MR** combines the proven performance of **Air-Bloc® 32MR** with the addition of Henry antimicrobial technology to create an integral mold resistant membrane.

## Air-Bloc® 32MR Fluid Applied Air, Water & Vapour Barrier 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
- Low water vapour permeance provides vapour barrier
- Excellent adhesion to most construction surfaces such as exterior gypsum board, CMU, concrete, stone, wood and metal
- Can be applied to damp concrete

### Product Sizes

---

5 gal (18.9L) pails, 55 (208L) gal drums

### Uses

---

**Air-Bloc® 32MR** is used in construction of high performance wall assemblies requiring a vapour 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. Not for permanent weather or UV exposure.

### 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 5°C (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 0°C 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 frost, 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. Joints between panels of exterior grade gypsum, plywood and rigid insulation up to 6mm (¼") wide shall be filled with a trowel application of **Air-Bloc® 32MR** and reinforced with a strip of 50mm (2") wide glass fiber tape such as **Henry #183 Yellow Glass Fabric** prior to application of liquid membrane. Joints between panels of exterior grade gypsum or plywood wider than 6mm (¼") should be sealed with **Blueskin®** membrane adhered to the primed substrate (use **Blueskin® Primer** or **Henry #545 Aquatac™**) and lapped a minimum of 75mm (3") on both sides of the crack. Joints wider than 6mm (¼") between panels of rigid insulation are not permitted. Mortar joints on CMU walls should be struck flush with block surface. Cracks in masonry and concrete up to 6mm (¼") wide shall be filled with a trowel application of **Air-Bloc® 32MR** 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 primed substrate (use **Blueskin® Primer** or **Henry #545 Aquatac™**). Cracks wider than 6mm (¼") should be sealed with **Blueskin®** membrane adhered to the primed substrate and lapped a minimum of 75mm (3") on both sides of the crack. Transition joints between two dissimilar materials at beams, columns, window and door frames, etc., should be sealed with strips of **Blueskin®** membrane, lapped a minimum of 75mm (3") on both substrates. Mechanical attachment should be made to all window and door frames, or a properly designed sealant joint should be provided.

---

REV: 09/12/2013

## Air-Bloc® 32MR Fluid Applied Air, Water & Vapour Barrier Membrane

### 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-Applied Method	Method #3 Self-adhered Sheet Method
Less than 6mm (1/4")	<ol style="list-style-type: none"><li>1. <b>HE 925 BES Sealant</b></li><li>2. Fill and strike smooth</li><li>3. Allow to dry</li></ol>	<ol style="list-style-type: none"><li>1. Fill with <b>Air-Bloc® 32MR</b> by trowel, extending beyond joint line a minimum 75mm (3") onto face of substrate</li><li>2. Fully embed 50mm (2") minimum <b>Yellow Jacket</b> glass fiber reinforcing tape into wet <b>Air-Bloc® 32MR</b> – centered over joint.</li></ol>	<ol style="list-style-type: none"><li>1. Apply <b>Blueskin Adhesive, Blueskin LVC Adhesive or Aquatac</b></li><li>2. Allow to dry</li><li>3. Apply self-adhered membrane and roll in place.</li></ol> <p><u>Select One:</u></p> <p>Permeable option:</p> <ul style="list-style-type: none"><li>• <b>BlueskinVP 160</b></li></ul> <p>Non-permeable option:</p> <ul style="list-style-type: none"><li>• <b>Blueskin SA</b></li><li>• <b>Blueskin SA LT</b></li><li>• <b>Blueskin SA HT</b></li><li>• <b>Foilskin</b></li></ul>
6mm (1/4") to 12mm (1/2")	Same As Above	Do Not Use	Same As Above

### 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: 2.0 l/m<sup>2</sup> (5gal US / 100ft<sup>2</sup>) to give a wet film thickness of approximately 2mm depending on texture and porosity of surface.
- **Rough Surfaces** such as CMU: 3.0 l/m<sup>2</sup> (7 gal US / 100ft<sup>2</sup>) to give a wet film thickness of approximately 3mm depending on texture and porosity of surface.

**Protection of Finished Work:** **Air-Bloc® 32MR** and **Blueskin®** are not designed for permanent exposure. Product is designed to withstand job site exposure for up to 3 months, however good construction practice calls for covering as soon as possible. Wherever possible, begin covering membrane on south exposures, followed by remainder of surface.

### Precautions

When transporting this product, be sure the container is secured and the lid is tight. Do not allow container to tumble as this may loosen the lid and allow leakage to occur. Avoid freezing during storage, application and before material has cured.

### 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!** Close container after each use. Avoid breathing of vapors as it may cause respiratory tract irritation. 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. In case of accidental injection by power spray equipment, **GET MEDICAL ATTENTION!** Dispose of container and unused contents in accordance with Local, Provincial or Federal regulations. Do not heat container or store at temperatures greater than 50°C. **KEEP OUT OF REACH OF CHILDREN. FOR EXTERIOR USE ONLY. KEEP FROM FREEZING.**

**Employers** should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from Henry at the toll free number or website below.

REV: 09/12/2013

## **Air-Bloc® 32MR Fluid Applied Air, Water & Vapour Barrier Membrane**

### **Limited Warranty**

---

We, the manufacturer, warrant 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 AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT.**

Contact Warranty Department at [warranty@henry.com](mailto: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.