



# TECHNICAL DATA SHEET Air-Bloc<sup>®</sup> LF

Liquid Applied Window and Door Flashing Membrane

## Typical Physical Properties

<b>-Color</b>	Blue	<b>-Low Temperature Flex</b> CGSB 37-GP-56M ASTM D522	Pass @ -22°F (-30°C) Pass @ -22°F (-30°C)
<b>-Application Temperature</b>	20°F (-7°C) to 110°F (43°C) See Precautions	<b>-Water Vapor Permeance</b> ASTM E96-B	
<b>-Service Temperature</b>	-40°F (-40°C) to 200°F (93°C)	12mils Thickness	22.9 perms (1309 ng/Pa.m <sup>2</sup> .s)
<b>-Drying Time</b> Skin Time @ 25 mils Cure Time @ 25 mils	1-2 Hours @50% R.H. 68°F 24 Hours Minimum	25mils Thickness	21.8 perms (1247 ng/Pa.m <sup>2</sup> .s)
<b>-Elongation</b> ASTM D412 – mod.	264%	40mils Thickness	10.6 perms (606 ng/Pa.m <sup>2</sup> .s)
<b>-Tensile Strength</b> (Membrane) ASTM D412 – mod.	132 psi (910 kPa)	<b>-Moisture Absorption</b> ASTM D570-81	0.1%
<b>-Crack Bridging</b> ASTM C1305	Pass	<b>-Water Resistance</b> AC212/ASTM D2247	Pass
<b>-Maximum V.O.C.</b>	22 grams/liter	<b>-Air Leakage @ 75 Pa</b> ASTM E2178	≤ 0.004 CFM/ft <sup>2</sup> (≤ 0.02 L/(sm <sup>2</sup> ))
<b>-Hardness, Shore A</b> ASTM C661	30-35	<b>-Adhesion</b> AAMA 711	
<b>-Corrosive Properties</b>	Non-corrosive	Peel after UV	>5 lbs/in (875 N/m)
<b>-Nail Sealability</b> AAMA 711	Pass	Peel after High Temp	>5 lbs/in (875 N/m)
<b>-Asphalt Compatibility</b> AAMA 713	Pass (No Effect)	Peel after Water Immersion	>5 lbs/in (875 N/m)
		Peel after Thermal Cycling	>5 lbs/in (875 N/m)
		<b>-Flame Spread</b> ASTM E84	20 (Class A)
		<b>-Smoke Developed</b> ASTM E84	5 (Class A)
		<b>-Solids by Volume</b>	95%

## Description

**Air-Bloc<sup>®</sup> LF** is a moisture-curing one component elastomeric liquid applied flashing membrane using a highly advanced STPe (Silyl-Terminated Polyether) polymer. It is designed to cure through reaction with airborne moisture to provide a heavy-duty “seamless” rubber-like, impervious membrane with excellent weathering and water resistance.

## Features

- Fast curing, high solids and single component
- Low VOC, low odor
- Excellent adhesion to prepared substrates of concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, exterior grade gypsum board and plywood.
- Impermeable to air and water.
- Excellent compatibility with all Henry sheet & liquid air barrier membranes, HE925 BES Sealant and rubberized asphalt
- Easy to install, no special equipment required

**Uses**

**Air-Bloc® LF** is designed for use as a concealed air barrier flashing membrane to protect against air, rain and moisture penetration around windows and doors for commercial and residential construction.

**Product Sizes**

**Air-Bloc® LF** is packaged in 20 oz (0.6 L) sausages.

**Surface Preparation**

Acceptable substrates are precast concrete, cast-in-place concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, exterior grade gypsum board, plywood, OSB and wood.

All surfaces to receive **Air-Bloc® LF** must be clean of oil, dust, excess mortar, standing water and frost. Strike masonry joints flush.

Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days after forms have been removed before **Air-Bloc® LF** is applied. Damp concrete is acceptable but must not be wet. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments.

Fill open joints, seams, and cracks wider than 1/8" (3 mm) up to 1/2" (13 mm) with **Henry HE925 BES Sealant** or **Air-Bloc® LF** prior to final application of **Air-Bloc® LF**.

**Application**

Start by applying **Air-Bloc® LF** to substrate in a serpentine fashion using appropriate caulking gun and then spread **Air-Bloc® LF** using a trowel, joint knife or roller to achieve a monolithic membrane over the rough opening surfaces. Regularly monitor wet mil thickness during application to assure adequate coverage. **Air-Bloc® LF** can be applied in a single coat.

Spread uncured **Air-Bloc® LF** to cover the inside of the rough opening and extend membrane a minimum of 4" (100 mm) over the surface of the exterior wall. If a continuous air barrier such as Air-Bloc or Blueskin is used over the exterior wall, overlap **Air-Bloc® LF** a minimum of 2" (50 mm) over adjacent membranes.

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

- **Smooth Surfaces** such as exterior gypsum sheathing or formed concrete: 10 ft<sup>2</sup> (0.9 m<sup>2</sup>) per 20 oz sausage to give a wet film thickness of 25 mils (0.6 mm) depending on texture and porosity of surface.
- **Rough Surfaces** such as CMU: 6 ft<sup>2</sup> (0.6 m<sup>2</sup>) per 20 oz sausage to give a wet film thickness of 40 mils (1 mm) depending on texture and porosity of surface.

		Coverage (Linear Feet)					
		Wet Film Thickness (mils)					
		15	20	25	30	35	40
Width (inches)	1	201	150	120	100	86	75
	2	100	75	60	50	43	38
	3	67	50	40	33	29	25
	4	50	38	30	25	21	19
	5	40	30	24	20	17	15
	6	33	25	20	17	14	13
	12	17	13	10	8	7	6

Per 20 oz (0.6 L) sausages

		Coverage (Linear Meters)					
		Wet Film Thickness (mils)					
		15	20	25	30	35	40
Width (cm)	2.5	61.1	45.8	36.7	30.6	26.2	22.9
	5	30.6	22.9	18.3	15.3	13.1	11.5
	7.5	20.4	15.3	12.2	10.2	8.7	7.6
	10	15.3	11.5	9.2	7.6	6.5	5.7
	12.7	12.2	9.2	7.3	6.1	5.2	4.6
	15	10.2	7.6	6.1	5.1	4.4	3.8
	100	1.6	1.2	0.9	0.8	0.7	0.6

Per 20 oz (0.6 L) sausages

The above reference chart is based on theoretical coverage calculations for a smooth surface. Rough surfaces can reduce coverage rates significantly. Please reference our Coating Coverage Tech Talk for more information.

### Precautions

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Shelf life of **Air-Bloc® LF** is 12 months in unopened containers when stored in dry conditions. Protect from weather or store in an enclosed area not subject to heat over 80°F (27°C). Packaging should always be kept sealed when not in use.

Application at temperatures below 40°F (4°C) will slow curing. In low humidity conditions, curing may be aided by lightly misting **Air-Bloc® LF** with water. Minimum ambient or substrate temperature for **Air-Bloc® LF** should be 20°F (-7°C) and rising.

### Cleanup

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Clean hands and equipment with a biodegradable terpene solvent such as a citrus based hand cleaner or **HE050 Henry Scrubbers™**.

### Limitations

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**Air-Bloc® LF** can be exposed up to six (6) months but is not designed for permanent exposure to ultra-violet light and should be covered as soon as practical after application.

Many silicone sealants show excellent adhesion to **Air-Bloc® LF**. Contact the sealant manufacturer for more information.

### Caution

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**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, State and Federal regulations. Do not heat container or store at temperatures greater than 120°F (49°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.

### Limited Warranty

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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

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