

Physical Property	Typical Value	Test Method
Colour	Blue	-
Application Temperature	-7°C to +43°C (+20°F to +110°F)	-
Service Temperature	-40°C to +93°C (-40°F to +200°F)	-
Drying Time @ 50% R.H. 20°C (68°F)	Skin Time @ 0.6 mm (25 mils): 1-2 hours Cure Time @ 0.6 mm (25 mils): 24 hours	-
Elongation, min	264%	ASTM D412, modified
Tensile Strength, min	132 psi (910 kPa)	ASTM D412, modified
Crack Bridging	Pass	ASTM C1305
VOC Content, max	<25 g/L	-
Hardness, Shore A	30-35	ASTM C661
Corrosive Properties	Non-corrosive	-
Nail Sealability	Pass	AAMA 711
Asphalt Compatibility	Pass	AAMA 713
Low Temperature Flexibility @ -30°C (-22°F)	Pass	CGSB 37-GP-56M, ASTM D552
Water Vapour Permeance	12 mils: 1309 ng/Pa.m ² .s (22.9 perms) 25 mils: 1247 ng/Pa.m ² .s (21.8 perms) 40 mils: 606 ng/Pa.m ² .s (10.6 perms)	ASTM E96, Method B
Moisture Absorption	0.1%	ASTM D570-81
Water Resistance	Pass	AC212, ASTM D2247
Air Leakage @75 Pa	≤ 0.02 L/[sm ²] (≤ 0.004 CFM/ft ²)	ASTM E2178
Adhesion	Peel after UV: >875 N/m (5 lbs/in) Peel after High Temp : >875 N/m (5 lbs/in) Peel after Water Immersion: >875 N/m (5 lbs/in) Peel after Thermal Cycling: >875 N/m (5 lbs/in)	AAMA 711
Flame Spread	20, Class A	ASTM E84
Smoke Developed	5, Class A	ASTM E84
Solids by Volume	95%	-

Description

Air-Bloc[®] LF is a moisture cure single-component elastomeric liquid-applied flashing using a highly advanced silyl-terminated polyether (STPE) 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 odour
- Excellent compatibility with all Henry[®] air barriers and components, including rubberized asphalt
- Easy to install, no special equipment required

Usage

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

Application

Surface Prep: Substrates should be dry and clean of oil, dust, excess mortar and sharp protrusions, standing water and frost. Concrete surfaces must be cured a minimum of 14 days. Damp concrete is acceptable but must not be wet. Acceptable substrates are precast concrete, cast-in-place concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, exterior-grade gypsum board, OSB and plywood. Strike masonry joints flush. Concrete surfaces must be smooth and without

Air-Bloc® LF Liquid-Applied Flashing

large voids, spalled areas or sharp protrusions. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments.

Fill open joints, seams and cracks wider than 3 mm ($\frac{1}{8}$ ") up to 13 mm ($\frac{1}{2}$ ") with **925 BES Sealant** or **Air-Bloc® LF** prior to final application of **Air-Bloc® LF**.

Apply: Apply **Air-Bloc® LF** to substrate in a serpentine fashion using appropriate caulking gun and then spread 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 a minimum of 4" (100 mm) over the surface of the exterior wall. If a continuous air barrier such as **Air-Bloc®** or **Blueskin®** air barriers are used over the exterior wall, overlap **Air-Bloc® LF** a minimum of 50 mm (2") over adjacent membranes.

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

- **Smooth Surfaces** such as exterior gypsum sheathing or formed concrete: 0.9 m² (10 ft²) per 0.6 L (20 oz) sausage to give a wet film thickness of 0.6 mm (25 mils)
- **Rough Surfaces** such as CMU: 0.6 m² (6 ft²) per 0.6 L (20 oz) sausage to give a wet film thickness of 1 mm (40 mils)

		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 0.6 L (20 oz.) 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 0.6 L (20 oz.) sausages

The above reference chart is based on theoretical coverage calculations for a smooth surface. Rough surfaces can reduce coverage rates significantly depending on texture and porosity of surface.

Limitations: **Air-Bloc® LF** can be exposed for up to 6 months but is not designed for permanent exposure to ultra-violet light and should be covered as soon as practical after application. Application at temperatures below 4°C (40°F) will slow curing. In low humidity conditions, curing may be aided by lightly misting **Air-Bloc® LF** with water.

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

Packaging

0.6 L (20 oz) sausages

Storage

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 27°C (80°F). Packaging should always be kept sealed when not in use.

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