



#1 CHOICE OF PROFESSIONALS®

# Blueskin® SA LT

## Low Temp Self-Adhesive Air/Vapor Barrier Membrane

### Physical Properties

-Color	Blue	-Low Temperature Flexibility @ -22°F (CGSB 37-GP-56M)	Pass
-Thickness	40 mils (1.0 mm)	-Water Vapor Transmission (ASTM E96) water method	49 ng/Pa·s·m <sup>2</sup>
-Application Temp	10°F minimum	(ASTM E96) desiccant method	0.86 perms 2 ng/Pa·s·m <sup>2</sup> 0.03 perms
-Service Temp	Minus 104°F to 158°F	-Lap Peel Strength @ 39°F (ASTM D903 180° bend)	2819.7 (16.1) N/m (lbf/in)
-Elongation (ASTM D412-modified)	200% minimum	-Moisture absorption (ASTM D570)	0.1%
-Tensile Strength (Membrane) (ASTM D412- modified)	3.4 MPa minimum	-Air Leakage @ 75 Pa (ASTM E-2178)	0.0001 CFM/ft <sup>2</sup>
-Tensile Strength (Film) (ASTM D882)	40 MPa minimum	-Air Leakage After 3000 Pa Test (ASTM E330-90)	No change
-Minimum Puncture Resistance – Membrane (ASTM E154)	40 lbf.	-Assembly Air Leakage @ 75 Pa (ASTM E-2357)	0.005 L/s·m <sup>2</sup>
-Watertightness (CAN/CGSB-37.58-M86)	Pass		

### Packaging

-Thickness	40 mils (1.0 mm)	-Gross Coverage	225 ft <sup>2</sup>
-Roll length	75 ft.	36"	112.5 ft <sup>2</sup>
-Roll width	48", 36", 18", 12", 9", 6", 4"	18"	
-Top Surface	Blue Film	-Net Coverage*	212 ft <sup>2</sup>
-Bottom Surface	Siliconized Release Film	36"	100 ft <sup>2</sup>
		18"	
		*Based on 2" side and end laps.	

### Description

**Blueskin® SA** is a self-adhering membrane consisting of an SBS rubberized asphalt compound, which is integrally laminated to a blue engineered thermoplastic film. The membrane is specifically designed to be self-adhered to a prepared substrate, providing an air/vapor/water barrier in full wall applications or as penetration/flashing membrane with other air barrier systems. Defined assemblies of Blueskin SA, primer and BES Sealant meet ASTM E-2357 – reference guide specification for details.

### Features

- SBS modified membrane, flexible at low temperatures
- Impermeable to air, moisture vapor and water
- Defined assemblies of Blueskin SA, primer and sealant meet ASTM E-2357 air leakage requirements
- Excellent adhesion to prepared substrates of concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, gypsum board and plywood
- Compatible with Henry Air Bloc liquid air barrier membranes
- Membrane is self-gasketing when penetrated and under compression with self-tapping screws

### Storage

Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 120°F.

## Limitations

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Not designed for permanent exposure to weather - protect as soon as possible, however can be exposed up to 30 days if necessary to accommodate construction scheduling. Not to be used in direct contact with flexible PVC/vinyl membranes or gaskets.

## Uses

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**Blueskin® SA** is designed for use as a self-adhered sheet air, vapor and rain barrier. Its principal application is on walls of either masonry, concrete or gypsum board. It can also be used as a transition sheet in conjunction with **Henry Liquid Membranes** where greater movement is anticipated, due to its high strength. **Blueskin® SA** is also used for tying into metal on curtain walls, windows and doorframes.

## Surface Preparation

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Acceptable substrates are precast concrete, cast-in place concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, gypsum board including Dens Glass Gold®. All surfaces to receive **Blueskin® SA** must be clean of oil, dust and excess mortar. 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 and must be dry before **Blueskin® SA** is applied. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments.

All surfaces to receive **Blueskin® SA** require an application of **Blueskin® Adhesive** or **Spray Prep**, applied by lambs wool roller, brush or spray at the rate of 85 to 250 ft<sup>2</sup>/gallon depending on porosity and texture of surface and allowed to dry for 30 minutes before **Blueskin® SA** is applied. Ensure that all surfaces receive **Blueskin® SA** in the same day. Alternatively, apply **Aquatac™** by roller at a rate up to 500 ft<sup>2</sup>/gallon. Allow to dry to a tacky film.

## Application

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Refer to **Blueskin® SA** Guide Specification for detailed application information.

**Blueskin® SA** must be lapped a minimum of 2" on both sides and end laps. Position membrane for alignment; remove protective film and press firmly in place. When membrane is entirely in place, roll membrane including seams with a counter top roller to ensure full contact. When using membrane with brick ties, position membrane, press in place and cut for ties or projections. Seal around any openings and at leading edge at the end of the days work with **Henry #925 BES Sealant, Polybitume, or Air-Bloc 21** Membrane applied to the underside of the substrate (i.e. ceilings) requires mechanical fastening through treated wood or galvanized metal strapping, or have insulation mechanically fastened. Fastening must take place immediately after installation of membrane. Space strapping on 18" centers, running perpendicular to the side laps.

Detail work must be carefully carried out to ensure continuous air tightness of the membrane. It is recommended that mechanical attachment be made to all window and doorframes, or a properly designed sealant joint be provided.

## Insulation Application over Membrane

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**Insulation Clips:** Insulation clips should be mechanically fastened through the membrane into the substrate with a self-tapping screw. Apply number of insulation clips as recommended by the insulation manufacturer.

**Insulation Adhesive: Henry Air-Bloc 21** –where permitted by local VOC regulations - should be applied to insulation boards in a serpentine pattern to restrict movement of air behind the insulation. Alternatively, a full coat notched trowel application of **Henry Air-Bloc 21** may be applied to the back of the board. Press insulation firmly in place.

## Limited Warranty

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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.