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P.A.R.A.: 2,2.02,B

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TECHNICAL DATA SHEET

Blueskin® SA

Self-Adhesive Air/Vapor Barrier Membrane

Typical 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)	0.86 perms (49 ng/Pa.s.m ²)
-Application Temp	41°F minimum	(ASTM E96 desiccant method)	0.03 perms (2 ng/Pa.s.m ²)
-Service Temp	Minus 40°F to 158°F	-Lap Peel Strength @ 39°F (ASTM D903 180° bend)	25.0 lbf/in (> 4378.4 N/m)
-Elongation (ASTM D412-modified)	200% minimum	-Water Absorption (ASTM D570)	0.1%
-Tensile Strength (Membrane) (ASTM D412- modified)	500 psi minimum	-Air Leakage @ 75 Pa (ASTM E2178)	0.0001 cfm/ft ² (0.0005 L/s.m. ²)
-Tensile Strength (Film) (ASTM D882)	5000 psi 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 E2357)	0.001 cfm/ft ² (0.005 L/s.m. ²)
-Watertightness (CAN/CGSB-37.58-M86)	Pass	-Crack Cycling (ASTM C836)	Pass
-Nail Sealability (ASTM D1970)	Pass		

Packaging

-Roll length	75 ft.	-Gross Coverage (Net Coverage*)	
-Roll width	48", 36", 18", 12", 9", 6", 4"	36"	225 ft ² (212 ft ²)
-Top Surface	Blue Film	18"	112.5 ft ² (100 ft ²)
-Bottom Surface	Siliconized Release Film	*Based on 2" laps	(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. **Blueskin® SA**, in assemblies with 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
- Assemblies of **Blueskin® SA**, primer and sealant meet ASTM E-2357 air barrier performance standard.
- 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

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

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

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 ft²/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 ft²/gallon. Allow to dry to a tacky film.

Application

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, Air-Bloc® 21, or Air-Bloc® 21 FR**. 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

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

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:** 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.

STATEMENT OF RESPONSIBILITY

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