



FOILSKIN®

Self-Adhesive Weather Barrier Membrane

Physical Properties

-Color	Aluminum	-Minimum Puncture Resistance – Membrane (ASTM E154)	40 lbf (178 N)
-Thickness	40 mils (1.0 mm)	-Low Temperature Flexibility @ -22°F (CGSB 37-GP-56M)	Pass
-Application Temp	Minimum 20°F (-7°C)	-Water Vapor Permeance (ASTM E96)	2.8 ng/Pa.s.m ² (0.05 perms)
-Service Temp	Minus -40°F to 140°F	-Lap Peel Strength @ 40°F (ASTM D903 180° bend)	(15 lbs/ inch) 2600 N/m width
-Elongation (ASTM D412-modified)	40% minimum		
-Tensile Strength Membrane (ASTM D412- modified)	900 psi (6.2 mPa)		
-Tensile Strength (Foil) (ASTM C1136)	2812 psi (19.4 mPa) 1875 psi (12.9 mPa)		
Mold Resistance (ASTM C665)	No growth		

Packaging

-Thickness	40 mils	-Top Surface	Foil Scrim
-Roll length	33.3'	-Bottom Surface	Siliconized Release Paper
-Roll width	36"		
-Gross Coverage	100 sq. ft.		

Description

FOILSKIN® is a self-adhering membrane consisting of an SBS rubberized asphalt compound, integrally laminated to a glass scrim reinforced aluminum foil. The membrane is specifically designed to be self-adhered to a prepared substrate, providing a weather barrier.

Features

- SBS modified membrane, flexible at low temperatures
- Impermeable to air, moisture vapor and water
- No flame or adhesive required for installation
- Thickness controlled at point of manufacture
- Excellent adhesion to prepared insulation substrates
- Membrane is self-sealing when penetrated with self-tapping screws
- Self-adhesive membrane bond strengthens over time
- Does not promote mould growth
- Ultra-violet light resistant

Uses

FOILSKIN® is designed for use as a transition membrane with **Air-Bloc 33** Air Barrier System. See *Air-Bloc 33 Guide Specification*.

Storage

Store **FOILSKIN®** rolls on end, on original pallets or elevated platform. Protect unused portion of membrane by storing in original box to maintain self-adhesive quality. Protect from weather elements or store in an enclosed area not subject to heat over 120°F. Double stacked pallets are not recommended. If double stacking is necessary, use a plywood sheet to distribute the load.

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Limitations

FOILSKIN® is not to be used in direct contact with flexible/highly plasticized PVC/vinyl membranes or gaskets. Some sealants may discolor if in contact with the asphalt compound or may soften the asphalt compound. Contact sealant manufacturer for more information.

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 **Foilskin** 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 **Foilskin®** is applied. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments.

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

Application

Refer to **Air-Bloc 33** Guide Specification and details for further application information. **Foilskin®** 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 **Air-Bloc 33**. Membrane applied to the underside of the substrate (i.e. ceilings) requires mechanical fastening through treated wood, 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.

Caution

FOILSKIN® is highly reflective to sunlight. It is strongly recommended to use sunglasses to prevent eye damage when working with the membrane.

Limited Warranty

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. <>