

Self-Adhesive Weather & Moisture Barrier Membrane**Physical Properties**

-Colour	Aluminum	-Minimum Puncture	178 N
-Thickness	1.5 mm (60 mils)	Resistance – Membrane	(40 lbf)
-Application Temp	Minimum - 5°C (25°F)	(ASTM E154)	
-Service Temp	Minus 40°C to 60 ° C (-40°F to 140°F)	-Low Temperature Flexibility	Pass
		@ -30°C (-22°F)	
-Elongation	40% minimum	(CGSB 37-GP-56M)	
(ASTM D412-modified)		-Water Vapour Permeance	2.8 ng/Pa.s.m ²
-Tensile Strength Membrane	678 psi (4.7mPa)	(ASTM E96)	(0.05 perms)
(ASTM D412- modified)		-Lap Peel Strength @ 4°C	
-Tensile Strength (Foil)	2812 psi (19.4 mPa)	(40°F)	2600 N/m width
(ASTM C1136)	1875 psi (12.9 mPa)	(ASTM D903 180° bend)	(15 lbs/ inch)
Mold Resistance	No growth		
(ASTM C665)			

Packaging

-Thickness	1.5 mm (60 mils)	-Top Surface	Foil Scrim
-Roll length	10.21 m (33.5')	-Bottom Surface	Siliconized Release Paper
-Roll width	914 mm (36")		
-Gross Coverage	9.29 m ² (100ft ²)		

Description

Bakor FOILSKIN® consists of an SBS rubberized asphalt compound, integrally laminated to a glass scrim reinforced aluminum foil. **FOILSKIN®** 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 vapour and water
- No flame or adhesive required for installation
- Thickness controlled at point of manufacture
- Excellent adhesion to prepared pipe and 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
- Replaces metal as well as mastic applications
- Resistant to normal soil alkalies and acids

Uses

FOILSKIN® is designed for use as a jacketing system over insulated ducts, chilled water piping, refrigeration pipes, plenums and housing to provide an ultra-violet resistant air / vapor and weather barrier. Also used to waterproof and protect pipes from corrosion in underground applications.

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 50°C (120°F).

FOILSKIN® Self-Adhesive Weather Barrier Membrane

Limitations

FOILSKIN® is not to be used in direct contact with flexible/highly plasticized PVC/vinyl membranes or gaskets. Ensure that the surface temperature on hot systems does not exceed the membrane temperature limitations. In insulated assemblies, best practice is to provide two layer insulation systems to avoid thermal bridging.

Preparation

All surfaces to receive **FOILSKIN®** must be clean of oil, dust, dirt, frost welding residue, knurls, scale, loose rust and other contaminants

Ductwork:

Seal all joints in ductwork to prevent air leakage. Air leakage can result in "ballooning" of **FOILSKIN®** membrane, Baker will not be held responsible.

Install FSK or foil faced insulation over ducts or piping and mechanically fasten using weld pins and washers or cup head pins welded to ductwork. Cover washer or cup head pin with a 100mm (4") strip of **FOILSKIN®**. Ensure positive slope to prevent the occurrence of ponding water.

Install FSK (foil-scrim-kraft) facer over surfaces to receive membrane, if not present as an insulation facer. Mechanically fasten as for insulation above.

Pipe Applications:

For direct application to pipe, apply **Blueskin® Primer** at a rate of approximately 5m²/L and allow to dry for 30 minutes prior to **Foilskin®** application.

Application

Ducts: Position membrane for alignment, and begin application of **FOILSKIN®** on bottom of duct, returning up sides a minimum of 100mm (4"). Install sections of membrane on sides of duct and return on to the top side a minimum of 100mm(4"). Finally install top section, lapping down the sides 100mm (4").

Pipes: Begin installation on side of insulated pipe, wrapping downward and around the circumference and terminate to provide 100mm (4") lap. Ensure that lap sheds water for best durability.

Application of **FOILSKIN®** is performed most effectively by removing the release film in small increments, pressing firmly in place as work progresses. When the membrane is entirely in place, roll membrane including seams with a counter top roller or apply pressure using a plastic tape applicator to ensure full contact.

Cut around projections and seal with **Bakor POLYBITUME® 570-05 Polymer Modified Sealing Compound**, and **860-09 Aluminum Roof Paint**.

FOILSKIN® applied to the underside of the substrate wider than 600mm (2') requires mechanical fastening. Fastening must take place immediately after installation of membrane and should be sealed with a 100 x 100 mm (4" x 4") patch of **FOILSKIN®**.

Protection of Membrane: Care must be taken during placement of pipe in trench and backfilling around the pipe to avoid damage. Backfill must be free from sharp objects unless suitable protection is provided.

Caution

FOILSKIN® is highly reflective to sunlight. **Henry Canada** strongly recommends the use of sunglasses to prevent eye damage when working with the membrane.

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