

## Blueskin® WB

Window and Door Flashing

### Physical Properties

-Colour	Blue	-Low Temperature Flexibility @ -30°C	Pass
-Application Temperature	Minimum -12°C	CGSB 37-GP-56M)	
-Service Temperature	Minus 40°C to 70°C	-Water Vapour Transmission	2.8 ng/Pa.m <sup>2</sup> .s (0.05 perms)
-Elongation (ASTM D412 - modified)	200% Minimum	ASTM E96	
-Tensile Strength (Membrane) ASTM D412 - modified	3.4 MPa minimum	-Lap Peel Strength @ 4°C	1750 N/m width
-Tensile Strength (Film) ASTM D882	40 MPa minimum	ASTM D903 180° bend	
-Minimum Puncture Resistance (Membrane) ASTM E154	178 N	-Moisture Absorption	0.1%
		ASTM D570-81	
		- Air leakage @ 75Pa (ASTM 2178)	< 0.02 L/s.m <sup>2</sup>

### Packaging

-Thickness	.9 mm (35 mils)	-Top Surface	Blue Polypropylene Film
-Roll Length	15.1m (50ft)	-Bottom Surface	Siliconized Release Film
-Roll Width	300 mm (12")		
	225 mm (9")		
	150 mm (6")		
	100 mm (4")		

### Description

**Blueskin® WB Window and Door Flashing** is a self-adhered membrane consisting of an SBS rubberized asphalt compound which is integrally laminated to a blue engineered film. The membrane is specifically designed to be self-adhered to a prepared substrate.

### Features

- SBS modified membrane can be applied in temperatures as low as -12°C.
- Excellent adhesion to prepared substrates of concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, gypsum board and plywood.
- Impermeable to air, moisture vapor and water.
- Easy to install peel and stick application, no flame required.
- Factory controlled thickness.
- Membrane is self-sealing when penetrated with self tapping screws or nails.

### Uses

**Blueskin® WB Window and Door Flashing** is designed for use as a concealed self-adhered air and vapor barrier membrane and protect against rain and moisture penetration. **Blueskin® WB Window and Door Flashing** is commonly used to prevent drafts and provide a weather tight seal around windows and doors, joints in sheathing, sealing around skylights and as a flashing in residential construction.

## Blueskin® WB Window and Door Flashing

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### Storage

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Store rolls on end, in original packaging. Protect from weather or store in an enclosed area not subject to heat over 49°C.

### 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 and wood.

All surfaces to receive **Blueskin® WB Window and Door Flashing** 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 **Blueskin® WB Window and Door Flashing** is applied. Where curing compounds are used they must be clear resin based, without oil, wax or pigments.

For best adhesion on Oriented Strand Board (OSB), install the panel with the smooth side out.

For best possible adhesion results, (especially in cold weather), all surfaces to receive **Blueskin® WB Window and Door Flashing** must be primed with **Blueskin® Spray Prep Primer** (available in spray cans for ease of application), or **Aquatac** primer, applied by roller or brush at the rate of 1 liter per 2-6 m<sup>2</sup> depending on porosity and texture of surface and allowed to thoroughly dry before **Blueskin® WB Window and Door Flashing** is applied. Ensure that all primed surfaces receive **Blueskin® WB Window and Door Flashing** in the same day.

**Tip:** Dry Primer provides a firm bond to the substrate and cannot be easily rubbed off with your fingertip.

### Application

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**Blueskin® WB Window and Door Flashing** must be lapped a minimum of 50 mm on both side and end laps. Position membrane for alignment with protective film in place. Roll back, remove protective film and press firmly in place. When membrane is entirely in place, apply firm pressure over entire surface to ensure full contact. When using membrane with brick ties, position membrane, press in place and cut for ties or projections. Orient laps shingle fashion to shed water. Membrane applied to the underside of the substrate (i.e. ceilings) require mechanical fastening through treated wood or galvanized metal strapping or have insulation mechanically fastened. Fastening must take place immediately after installation of membrane.

### Limitations

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**Blueskin® WB Window and Door Flashing** should not be used in direct contact with flexible PVC/vinyl membranes. **Blueskin® WB Window and Door Flashing** is for exposure of up to six weeks but is not designed for permanent exposure to ultra-violet light and should be covered as soon as practical after application. Some sealants may discolor if in contact with the asphalt compound or may soften the asphalt compound. Contact sealant manufacturer for more information. <>