

Blueskin® TWF

Self-Adhesive Thru-Wall Flashing Membrane

Physical Properties

-Color	Yellow	-Low Temperature Flex. at -30°C. (CGSB 37-GP-56M)	Pass
-Thickness	1.0 mm (40 mils)	-Water Vapor Permeance (ASTM E96 Method B)	1.6 ng/Pa.s.m ² (0.03 Perms)
-Film Thickness	0.15mm (6 mils)	-Tear resistance Initiation (ASTM D1004)	200N (13 lbs.) MD
-Application Temperature	Min. Minus 4°C	-Propagation (ASTM D1938)	75N (9 lbs.) MD
-Service Temperature	Minus 40°C to 80°C	-Lap Peel Strength at -4°C. (ASTM D1876)	8.75N/cm (5 lbf/in)width
-Elongation (ASTM D412 Die C)	200% minimum	-Adhesion to Concrete (ASTM D903)	8.75N/cm (5.0 lb/in.) width
-Tensile Strength (Membrane) ASTM D412 Die C	5520 kPa (800 psi) minimum	-Moisture absorption (ASTM D570-81)	0.1%max.
-Tensile Strength (Film) ASTM D882	34500 kPa (5000 psi) minimum		
-PunctureResistance - Membrane (ASTM E154)	180N minimum (40 lbf)		
-Flow (ASTM D5147)	Pass @ 110°C		
-Watertightness (CGSB 37.58 – M86)	Pass		

Packaging

-Thickness	1.0 mm (40 mils)	-Gross Coverage	
-Roll Length	22.9m (75 ft).	900 mm (36")	20.9 m ² (225 ft ²)
-Roll Widths	900mm (36") 600mm (24") 450mm (18") 300mm (12")	600 mm (24")	13.9 m ² (150 ft ²)
-Top Surface	Yellow, Cross-Laminated HDPE	450 mm (18")	10.4 m ² (112.5 ft ²)
-Bottom Surface	Siliconized Release Paper	300 mm (12")	6.9 m ² (75 ft ²)

Description

Blueskin® TWF is a self-adhered membrane consisting of an SBS rubberized asphalt compound which is integrally laminated to a yellow cross-laminated polyethylene film. **Blueskin® TWF** is specifically designed for use as a thru-wall flashing and dampproof course. Available in 300mm (12"), 450mm (18"), 600mm (24") and 900mm (36") widths.

Features

- Impermeable to air, moisture vapor and water
- Flexible at low temperatures
- Excellent adhesion to prepared substrates
- Excellent compatibility with most **Bakor** adhesives and liquid air barrier membranes
- Exceptional puncture and abrasion resistance
- Self-sealing when penetrated with self-tapping screws

Uses

Used as a thru-wall flashing membrane and may be used in conjunction with **Bakor Air Barrier Systems**.

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Limitations

Non-resistant to oils and solvents not designed for permanent exposure. Yellow surface film may release on extended exposure to U.V. Good practice calls for covering as soon as possible. Do not extend **Blueskin® TWF** beyond face of exterior wall or veneer. Avoid sealant contact with the underside (compound side) of **Blueskin® TWF**. Apply under dry conditions when air and surface temperatures are above -4°C. Not to be used in direct contact with flexible 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.

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 50°C (120°F).

Surface Preparation

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® TWF** 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® TWF** is applied.

Apply **Blueskin® Primer** or **Aquatac™ Primer** by brush or roller at the rate of approximately 7.2 m²/L (300 ft²/gal.), depending on porosity and texture of surface and allow to dry for a minimum of 30 minutes before **Blueskin® TWF** is applied. Allow additional time for primer to set if wet to the touch or can be easily rubbed off. Ensure that all primed surfaces receive **Blueskin® TWF** in the same day or re-priming may be required.

Application

Material should be conditioned at room temperature for ease of application.

Cut the desired length of **Blueskin® TWF** and remove siliconized release paper. Position into place and apply positive pressure using a roller. Use care to avoid blisters and folds. Overlap all joints by 50mm (2"). Keep **Blueskin® TWF** back 12mm (½") to 25mm (1") from outside face of wall or veneer. At all laps, seams, penetrations, and along top edges of **Blueskin® TWF**, apply a continuous bead of rubberized mastic such as **Air-Bloc** or **POLYBITUME® 570-05**. Form end dams as required and use rubberized mastic at laps.

Top or leading edge of **Blueskin® TWF** must be sealed with a rubberized mastic such as **Air-Bloc** or **POLYBITUME® 570-05** to prevent rain water from migrating behind the membrane. <>