



#1 CHOICE OF PROFESSIONALS®

Blueskin® WP 100 Basic

Self-Adhesive Waterproofing Membrane

Physical Properties

-Color	Blue	-Minimum Puncture Resistance – Membrane (ASTM E154)	43 lbs (191 N/m) minimum.
-Thickness	60 mils (1.5 mm)	-Flexibility at -22°F (ASTM D1970)	Pass
-Application Temp	40°F and above	-Water Vapor Transmission (ASTM E96)	0.04 perms (2.4 ng/Pa.s.m ²)
-Elongation (ASTM D412)	250% (To ultimate failure of rubberized asphalt)	-Lap Peel Strength @ 41°F (ASTM D1876)	5 lbf/in (880 N/m)
-Tensile Strength (Membrane) ASTM D412 – modified	150 psi (1.03 Mpa)	-Hydrostatic Head (ASTM D5385)	197 feet (60 m of water)
-Tensile Strength (Film) ASTM D882	3900 psi (26.9 Mpa)	-Moisture Absorption (ASTM D570-81)	0.2% maximum
-Peel Strength (ASTM D903)	9 lbs/in (1576 N/m)		

Packaging

-Thickness	60 mils (1.5 mm)	-Gross Coverage	36" 200 ft ²
-Roll Length	66.7 ft.	-Net Coverage*	36" 186 ft ²
-Roll Width	36"		
-Top Surface	Blue, orientated polypropylene		
-Bottom Surface	Siliconized Release-Paper		

*Based on 2" laps both sides and end laps.

Description

Blueskin® WP 100 Basic is a self-adhering waterproofing membrane consisting of SBS rubberized asphalt compound, which is integrally laminated to a blue, orientated polypropylene film. The membrane is specifically designed to be self-adhered to a prepared concrete or masonry substrates providing a high-performance waterproofing barrier for below grade use.

Features

- 60 mil thick, SBS modified membrane
- Factory controlled thickness
- No odor or VOC's
- Fully adhered systems prevents lateral water movement

Limitations

Non-resistant to oils and solvents. Not designed for use in direct contact with potable water or permanent exposure and must be covered to prevent damage from sunlight. Good practice calls for the membrane to be covered immediately following application. Refer to minimum cure time requirements of sealant and mastics prior to applying polystyrene insulation. Do not use in contact with flexible PVC/vinyl products. Only use **Henry 925 BES Sealant** for terminations and penetration sealant to assure sealant compatibility. Using solvent-based primers in below-grade applications is not recommended to avoid possible hazardous fume accumulations.

Storage

Store in original cartons, on pallets or elevated platform. Protect from weather or store in an enclosed area below 120°F. Double stacked pallets are not recommended. If double stacking is necessary, use a plywood sheet to distribute the load.

Blueskin® WP 100 Self-Adhesive Waterproofing Membrane

Uses

Blueskin® WP 100 Basic is designed for use as a self-adhered sheet waterproofing membrane in above or below grade applications. Principal application is on concrete foundation walls, plaza decks, tunnels, and parking decks in both vertical and horizontal orientations.

Blueskin® WP 100 Basic is an ideal membrane for use in interior applications such as mechanical rooms, laboratories and wet-rooms.

Surface Preparation

Acceptable substrates are cast-in-place concrete, precast concrete, wood, concrete block, and polystyrene insulation form foundations. Parging of concrete blocks is not required. All surfaces to receive **Blueskin® WP 100 Basic** must be clean of oil, dust and excess mortar. Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be allowed to cure a minimum of 7 days and must be dry and free from frost before **Blueskin® WP 100 Basic** is applied. Structural lightweight concrete must be cured 14 days. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments. Prime substrate using **Aquatac™** or applied by spray or roller at a rate of 300ft²/3.78L can and allow to dry thoroughly before applying **Blueskin® WP 100 Basic**. Primed surfaces not covered by membrane during the same working day must be reprimed.

Application

Joint and Crack Treatment: All cracks in concrete 1/16" to 1/8" wide are to be pre-treated with a flush application of **Henry 925 BES Sealant** filling crack. Alternately, apply a 6" wide strip of **Blueskin® WP 100 Basic** centered over crack. Provide 3" end laps. Horizontal to vertical inside corner transition areas are to be pre-treated with an **Henry 925 BES Sealant** fillet extending 3/4" vertically and horizontally from the corner. Apply a minimum 9" strip of **Blueskin® WP 100 Basic** membrane centered at the joint. All outside corners are to be pre-treated with a minimum of 9" strip of **Blueskin® WP 100 Basic** membrane centered at the joint. Drains: At drains, apply waterproofing membrane collar centered on drain and extend 6" beyond flange onto deck. Apply field membrane in full width centered over drain. Apply clamping ring in a 60-mil bed of **925 BES Sealant**. Projections: Extend **Blueskin® WP 100** membrane tight to projection and seal with **925 BES Sealant** extending 2" along projection and 2" onto **Blueskin® WP 100** membrane.

Vertical Applications: Apply **Blueskin® WP 100 Basic** waterproofing membrane to prepared substrate in lengths of 8' or less. Provide 2 1/2" laps at both sides and ends. Position for alignment and remove protective film. Press firmly into place. Promptly roll all laps with a counter top roller to effect seal. If more than one length is required on a vertical surface, apply a shingle fashion. Terminate membrane using **925 BES Sealant** and termination bar, reglet or counter flashing as indicated. Refer to manufacturers standard details. All laps within 12" of 90° change in plane are to be sealed with **925 BES Sealant**.

Horizontal Applications: Apply **Blueskin® WP 100 Basic** waterproofing membrane to prepared substrate beginning at the low point of the surface and working to the high point in a shingle fashion. Provide 2 1/2" side and end laps. Roll membrane immediately over entire surface to ensure best seal. At all terminations and T-joints, seal laps using **925 BES Sealant**. All laps within 12" of a 90° change in plane are to be sealed with **925 BES Sealant**.

Protection of Membrane

Protection board and/or **Henry DB Drain Boards** are recommended over all below-grade **Blueskin® WP 100 Basic** applications.

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.

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