TECHNICAL DATA SHEET

Vapor-Bloc® SA

Self-Adhesive Vapour Barrier Membrane

Physical Properties

-Colour	Blue	-Low Temperature Flexibility @ -30°C CGSB 37-GP-56M)	Pass
-Thickness	0.8 mm (30 mils)		
-Application Temperature	Minimum -12°C		
-Service Temperature	Minus 40°C to 70°C	-Water Vapour Transmission ASTM E96	2.8 ng/Pa.m^2.s
-Elongation (ASTM D412 - modified)	180% Minimum	-Lap Peel Strength @ 4°C ASTM D903 180° bend	1750 N/m width
-Tensile Strength (Membrane) ASTM D412 - modified	3.4 MPa minimum	-Moisture Absorption ASTM D570-81	0.1%
-Tensile Strength (Film) ASTM D882	40 MPa minimum		
-Minimum Puncture Resistance (Membrane) ASTM E154	178 N		

Packaging

-Thickness	0.8 mm (30 mils)	-Top Surface	Blue Cross-Laminated Polyethylene
-Roll Length	22.86 m (75 ft.)		
-Roll Width	1210 mm (48")	-Bottom Surface	Siliconized Release Film

Description

Vapor-Bloc® SA is a self-adhered vapour barrier membrane consisting of an SBS rubberized asphalt compound which is integrally laminated to a blue cross-laminated polyethylene film. The membrane is specifically designed to be self-adhered to a prepared substrate.

Features

- 48" wide roll provides increased coverage over steel decks
- SBS modified membrane can be applied in temperatures as low as –12°C
- Excellent adhesion to prepared substrates of steel decks, gypsum board, concrete, plywood
- Excellent compatibility with **Bakor** adhesives and air barrier membranes
- Self adhesive, no flame required

Uses

Vapor-Bloc® SA is a self-adhered vapour barrier membrane designed to be adhered directly to roof decks. Ideal application surfaces include steel decks, gypsum board and plywood or certain insulation panels prior to the application of finished roof coverings. The main function of **Vapor-Bloc® SA** is to serve as a full coverage vapour barrier and secondary waterproofing layer in the composition of roof assemblies.

Storage

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

Preparation

All substrates are to be free of dust, oil, dirt, debris and moisture. All protrusions must be removed to provide a smooth surface. On re-roofing applications, remove old shingles, nails and other loose materials.

Concrete must be cured a minimum of 14 days and must be dry before **Vapor-Bloc® SA** 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.

Generally, no priming is required on steel decks in roofing applications. Priming is recommended to enhance adhesion on DensDeck®, oriented strand board (OSB), concrete or masonry substrates. Prime such surfaces with **Blueskin® Primer** or **Aquatac™** and allow to dry to a tacky film. Primed surfaces not covered by membrane during the same working day must be reprimed.

Application

Vapor-Bloc® SA is designed to be adhered directly to clean steel roofing decks. Other acceptable substrates include plywood, wood plank, wood composition, concrete, gypsum board sheathing, glass faced gypsum sheathing and masonry.

Vapor-Bloc® SA must be lapped 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 in contact with substrate to ensure full contact. Orient laps shingle fashion to shed water. Membrane applied to the underside of the substrate (i.e. ceilings) requires mechanical fastening through treated wood or galvanized metal strapping or have insulation mechanically fastened. Fastening must take place immediately after installation of membrane.

Limitations

Vapor-Bloc® SA should not be used in direct contact with flexible PVC/vinyl membranes. **Vapor-Bloc® SA** is designed only for exposure of up to six weeks. **Vapor-Bloc® SA** is not suited 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. < >