



BLOCK B450 SBS XL

SBS modified self-adhesive
waterproofing membrane

SMART ADVANTAGES

- Designed principally for tropical climate grade.
- Provides protection against water and vapor.
- Hassle free, peel off self-adhesive silicone film that sticks to the surface.
- Excellent adhesion to vertical and horizontal surfaces.
- Resistant to chlorides, sulphates, alkalis and acids.
- Excellent tear and puncture resistance.
- Outstanding tensile strength.
- Low temperature flexibility & High softening point.

DESCRIPTION

BLOCK B450 SBS XL is SBS Polymer modified self-adhesive water-proofing membrane. The bitumen compound is laminated onto an impervious, non-perforated, cross laminated HDPE film.

AREAS OF APPLICATION

BLOCK B450 SBS XL is designed to protect concrete from water and dampness. It is used for vertical and horizontal applications for tanking below ground structures, subways and retaining walls.

TECHNICAL CHARACTERISTICS

PROPERTIES	TEST STANDARDS	VALUES
Thickness (mm)	ASTM D 5147	1.5 , 2.0, 3.0
Tensile strength	ASTM D 5147	> 300 N/50mm
Elongation	ASTM D 5147	> 400%
Tear Strength	ASTM D 624	> 30 N/mm
Puncture resistance	ASTM E 154	> 400 N
Low Temperature Flexibility	ASTM D 624	No Cracking
Resistance to Hydrostatic head	ASTM D 5385	No Leakage (upto 7 bar)
Peel adhesion with prime concrete	ASTM D 903	> 2000 N/mm
Dynamic crack bridging ability	ASTM C 1305	Pass (3.2 mm)

APPLICATION PROCEDURE

The application temperature should be between 5°C to 55°C. Application procedure may vary slightly from site to site. Follow the recommended guidelines for application of self-adhesive waterproofing system.

SUBSTRATE PREPARATION:

Clean the surface thoroughly and make it free from all the contaminants like dust, traces of curing compound, oil and grease.

PRIMING:

Use a brush, roller or a spray to apply Grip B410 SB (Solvent based primer) @ 6m²/l on a clean, smooth and dry surface. Let it dry before applying the membrane. The low viscosity of the primer lets it easily penetrate the concrete pores, promoting the adhesion between the membrane and the concrete surface. The primer also acts as a binder for the dust which gets accumulated on the concrete surface even after cleaning.

ALIGNMENT:

Start installing from the low points or drains. This makes the flow of water over or parallel but never against it. Install all the overlaps at the membrane seams so as to have "up" slope laps over "down" slope laps. Initiate membrane application by unrolling the roll of BLOCK B450 SBS XL membrane and aligning the side laps.

APPLICATION:

Peel off the release film from the self-adhesive side. Unroll the membrane and press it to the surface. Remove the entrapped air using a wooden press from center to the edges, thereby smoothening the membrane. Furthermore, use an iron roller to ensure a proper and strong adhesion of the bitumen compound with the base surface by rolling on top of the applied membrane. A minimum of 50-65mm should be the side overlaps and end overlaps should at least be 100mm.

PROTECTION:

Use suitable tough, weather, warp, and rot proof protection board to protect the membrane immediately after the application from any damage resulting from the ongoing site activities or from sharp aggregates during backfilling. The membrane can also be protected by laying a cement sand screed (25-40mm) on horizontal areas. Use suitable BOSTIK adhesive to secure protection board. Contact the Bostik Technical team for more instructions.

PACKING

BLOCK B450 SBS XL-1.5mm thickness Roll size of 20x1.0m
BLOCK B450 SBS XL-2.0mm thickness Roll size of 15x1.0m
BLOCK B450 SBS XL-3.0mm thickness Roll size of 10x1.0m

STORAGE & SHELF LIFE

Store BLOCK B450 SBS XL membranes in a shaded area in wooden pallets. Neatly cover it by a thick fabric and tie securely thereby minimizing the exposure to sunlight and UV. Protect membrane from heat.

Shelf life of the membrane is 12 months when stored as per the recommendations. Exposure to sunlight, UV and heat will deteriorate the product causing considerable reduction in its shelf life.

HEALTH SAFETY

Due to presence of tacky bitumen compound BLOCK B450 SBS XL membrane can adhere to human skin during application. Use a soft cloth dipped in a suitable cleaner to remove bitumen stains.

WARRANTY

Whilst Bostik India (P) Ltd., strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.

Block B450 SBS XL: v1/1023

DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

The statements, technical information, data, and recommendations contained in this TDS are provided 'AS IS' and are not warranted or guaranteed in any way. They represent typical results for the products and are based on Bostik's research only. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability and damages of whatever kind or nature that may arise from any use of the products, the results therefrom, or reliance on the information contain herein.

Bostik India Private Ltd

124/1 & 124/2A Kachanayakanahalli, Off Hosur Road
Bommasandra Post, Anekal Taluk, Bangalore- 560099 India

BOSTIK HOTLINE

Smart help 080 68297700

