



## BITUFLASH SBS

SBS modified bituminous water proofing membrane sheet

### Description

**BITUFLASH SBS** is a modified grade bituminous waterproofing membrane & it is also reinforced with non-woven polyester mat having thermos-fusible polyethylene film on both sides to provide excellent strength. It is produced by blending mixture of bitumen and Styrene Butadiene Styrene polymers against ambient atmosphere. It is also reflecting excellent properties such as tensile strength, tear strength and puncture resistance.

### Advantages

- Excellent barrier to water penetration
- Good tensile and tear strength
- High resistance against puncture
- Is flexible with negative temperature also
- Resistance to water borne chemicals
- Excellent adhesion to the substrate
- High durable

### Uses

- Swimming pools
- kitchens and bathrooms
- Concrete foundations & Footings
- Basements
- Pile heads
- Water retaining exposed structures

### Compliance standard

- ASTM D-5147

## Technical Information

PROPERTIES	RESULTS
Coating asphalt	SBS Rubber modified Asphalt
Softening point ( °C ) ASTM D-36	115 to 125
Penetration @25°C ( dmm ) ASTM D-5	20 to 35
Low temperature cold flexibility @ 0°C ASTM D-5147	-3 to -10
Heat resistance @ 135°C ASTM D-5147	No flow
Tensile strength ( L/T ) ( N/5cm ) ASTM D-5147	450/300
Elongation at Break ( L/T ) ( % ) ASTM D-5147	>30/35
Tear resistance ( L/T ) ( N ) ASTM D-5147 / ASTM D-4073	>300/200
Puncture resistance ( N ) ASTM E-154	>450
Resistance to Static / Dynamic UEAtc 5.1.9 / UEAtc 5.1.10	Static- L <sub>4</sub> / Dynamic -I <sub>4</sub>
Lap Joint strength ( N/5cm ) EN 12317	Same as membrane
Water absorption %wt. @ 23°C ( 24hrs ) ASTM D-570	< 0.5
Impermeability to water EN 1928	Pass
Dimensional stability ( % ) ASTM D-6222	< 1

## Method of Application

- Surface must be free of dust, oil, laitance and all other kind of foreign materials.
- Repair the concrete spelled portion by saw cutting the extreme edges of the repair location by cutting 'V' groove and filled with plaster REDIPLAST.
- Ensure that the prepared surface should be free from moisture content generally <5%  
Priming is necessary in case of some highly damaged surface.
- Lay BITUFLASH SBS sheet with the help of torch heating and make sure that overheating the sheets it may damage the polyester mat.
- The overlaps of adjacent rolls should be staggered & the side laps should at least be 5cm and end laps should at least be 10 cm.

## Coverage

- 1.1 m<sup>2</sup>/m<sup>2</sup>  
(Actual coverage will depend upon lapping dimensions and surface levelling)

## Packing

- It is supplied in roll.  
Roll length: 10m  
Roll width: 25cm, 50cm, 75cm 1m Thickness: 2 mm, 3mm, 4mm, 5mm  
(Size can be varied as per customer requirement)

## Shelf Life:

- 24 months shelf life when stored in cool and dry place at room temperature.

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