

# BITUFLASH SBS

SBS modified bituminous  
waterproofing 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.

## Uses:

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

## Advantages/Characteristics:

- 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

## Product Compliance Standard:

- ASTM D-5147

## Company Standard Compliance:



## Technical Information:

Properties	Specification
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 -L <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

#### Application Procedure:

- 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.

#### Health & Safety:

Specific care and attention should be paid to handling & usage of this product. Use suitable safety precautions during application of this product and be sure that do not heat sheets too much.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

Country: India

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