

# BITUFLEX - SF

Torch applied SBS modified bitumen waterproofing membrane 4mm thickness

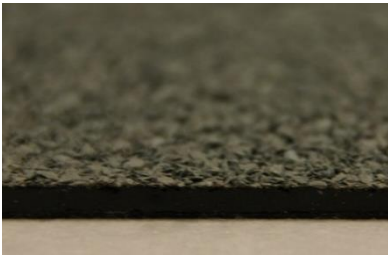
## DESCRIPTION

Bituflex-SF is rot-proof high performance waterproofing membrane, produced with a layer of natural slate flakes on weathering side to protect the membrane from UV radiation and ageing.

Produced in highly controlled process, the reinforcement made of nominal 200 gm/m<sup>2</sup> non-woven polyester reinforced with glass-fiber threads. And straight run bitumen modified with selected SBS polymers and stabilizers.

## STANDARDS

Complies with the requirements of ASTM D 6164 type II grade G



## FEATURES

- Positive barrier to water and dampness
- Excellent resistance to ageing and atmospheric agents
- Accommodates structural movements
- Designed for use and exposed system
- Provided with lap strip
- Resistant to water-born chemical attack
- Stability at high temperatures
- Excellent puncture and tear resistance
- Excellent resistance to UV rays, aging and weathering
- Easy for application and repair works

## USES

Bituflex-SF is ideal to use for new and re-roofing applications. It can be used in almost every waterproofing applications which includes roofs, balconies, basements, reservoirs, bridges, tunnels, lining for sewage canals, sub-grade structures etc.

## TECHNICAL DATA

PROPERTIES	RESULTS	TEST METHOD
Appearance	No defects, holes, tears, cracks or blisters	ASTM D 5147
Roll Size	1 x 10 (meter)	ASTM D 5147
Thickness	>4.0 (mm)	ASTM D 5147
Mass per unit area	>4400 (g/m <sup>2</sup> )	ASTM D 5147
Elongation L/T @23 ± 2°C	45/45 %	ASTM D 5147
Tear Strength L/T @23 ± 2°C	500/450 N	ASTM D 5147
Puncture Resistance	700 N	ASTM D 5147
Dimension stability	+ 0.5 (%)	ASTM D 5147
High temperature stability 100 + 2°C: 2hrs	No flow at 105°C	ASTM D 5147
Low temperature flexibility	0 to - 5°C	ASTM D 5636
Water absorption	<0.15 (%)	ASTM D 5147
Granule embedment, max loss	<2 (gm)	ASTM D 5147

## THICKNESS

We produce different thicknesses (3,5,6 mm) are available upon request.

## INSTRUCTION TO USE

### SURFACE PREPARATION

The surface must be thoroughly cleaned and should be free from dust, debris, oil and protruding elements.

### PRIMING

Apply liberal coat of the recommended primer and we recommend to use Sealcoat D41. Allow primer coat to dry until it is tack free prior to application of the membrane. All surfaces must re-primed if left more than 24 hours.

### FIXING INSTRUCTION

The installation should start from one edge/end of the surface. Unroll one roll over the surface with minimum 15 cm side lap alignment. Fixing should be either loose laid or fully bonded.

The information given in this data sheets is the average of test of various samples conducted under lab conditions. \* In accordance to ASTM and UeAtc Standards results are subjected to 5 to 20% tolerance.

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## APPLICATION TOOLS AND EQUIPMENT

- Propane gas torch with related gas cylinder
- Knife / Cutter
- Trowel with a rounded tip
- Protective gloves and goggles
- Marking aids
- Measuring tape
- Fire extinguisher

## SPECIFICATIONS

### Loose Laid

Re-roll the unrolled membrane to a length suitable for application without changing the orientation. Melt minimum 15 cm from the edges.

Fix the melt portion firmly to the pre-primed surface. Position the subsequent rolls, give edge overlapping of minimum 15 cm, side overlapping of minimum 15 cm and continue until the area is fully fixed. The melted compound should be spread with a trowel or roller to ensure a smooth tight seal.

### Fully Bonded

Melt the lower surface of the membrane with a gas torch by moving the flame across the entire width of the roll. Fix the melt portion firmly to the pre-primed surface. The subsequent rolls should be done in the same manner as of loosed laid membrane.

## STORAGE

- Keep the products packed in a dry place.
- Keep away from direct sunlight.
- Do not place the pallets on top of each other.
- Rolls must always be kept in a vertical position.

## HEALTH, SAFETY AND ENVIRONMENT

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas, and torch should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.

## TECHNICAL SUPPORT

International Insulation Company (IIC) - Bitugulf technical support team consist of expert engineers offers a comprehensive service support to specifiers, end users and contractors, and on-site technical assistance.

## INTERNATIONAL INSULATION COMPANY (BITUGULF)

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