



## Bituflex SA 150

Bitumen Self Adhesive Waterproofing Membrane

### DESCRIPTION

BITUFLEX SA150 self-adhesive waterproofing membranes consists of a self- adhesive polymer modified bitumen layer coated on to a tough high density polyethylene film and protected on the other side by a release film.

### USES

BITUFLEX SA150 membranes are generally used as water- proofing or damp proofing membranes intended for concrete protection. It may be used for horizontal and vertical application and as a damp proof course for tanking below ground structures, subways and retaining walls.

### ADVANTAGES

- Cold applied, self - adhesive and easy to apply
- Excellent adhesion to vertical and horizontal surfaces.
- Improved heat resistance.
- Excellent resistance to chlorides, sulphates, alkalis and acids.
- Good tear and puncture resistance.
- Water and vapour proof.

### APPLICATION INSTRUCTIONS

#### Surface preparation

A smooth, regular and dry surface is always a must for good application. The substrate should be completely free of any protrusions or cavities. The presence of oily substances, frost or other moisture should be completely avoided. Apply STONBIT SBP at a rate of 4 - 6 m<sup>2</sup>. Per litre as a primer coat. The primer coat should be touch dry before the application of the membrane.

#### Application

The application temperature should be between 4°C to 45°C. The installation procedures are to be as follows:

1. Unroll only the required length, and cut the piece to the desired shape and size.

2. Place the pieces of membrane on the area to be covered, and check whether they match with the profile of the marked substrate.

3. Peel off the release film and carefully place the membrane so as to ensure a minimum of 75mm overlap and then smooth the membrane from the center to the edges in order to drive out entrapped air.

4. Place a BITUBOARD on top of the membrane soon after the application in order to prevent any damage from exposure to sunlight, backfilling.

### HANDLING

BITUFLEX SA150 membranes are packed in loose corrugated boxes to avoid any damage during transit or on site. The membranes can be unloaded by hand or any other convenient means, but ensure the absence of any sharp or protruding edges within close proximity to avoid puncturing the membrane.

### STORAGE

BITUFLEX SA150 range of membranes must be stored in a shaded area on wooden pallets neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight.

### DISPOSAL

BITUFLEX SA150 is a non - hazardous, non-inflammable material and therefore can be disposed of in any regular disposal area. BITUFLEX SA150 should be disposed of only after wrapping with paper, plastic or cloth as the modified material has tendency to soften under heat and pressure, which would make further handling very difficult.

### HEALTH AND SAFETY

BITUFLEX SA150 contains a very tacky bitumen compound and during application can adhere to human skin. Bitumen stains can be removed by using a cloth dipped in a very light solvent. In case the affected area is sensitive, like the eye, please contact the company physician for advice.

## TECHNICAL DATA

PROPERTIES	VALUES	TEST METHOD
ROLL LENGTH	10m	UEAtc
ROLL WIDTH	1m	UEAtc
THICKNESS	1.5mm- 2mm	UEAtc

COATING MIXTURE		
SOFTENING POINT (R&B)	110°C	ASTM D 36
ELONGATION (Compound)	> 1500 %	ASTM D 412
TENSILE STRENGTH (Membrane)	2500 KPa	ASTM D 638
TENSILE STRENGTH (Film), MPa	23 MPa	
ELONGATION, % (Unlimited Failure of Rubberized Asphalt)	300 %	ASTM D 638
ADHESION STRENGTH Primed Substrate Self	2.2 N/mm 2.4 N/mm	ASTM D 1000
PUNCTURE RESISTANCE (Membrane)	220 N	ASTM E 154
WATER ABSORPTION	After 24 hrs - 0.02 % After 35 days -0.16 %	ASTM D 570
ENVIRONMENTAL RESISTANCE	CONFORMS	ASTM D 543
CRACK BRIDGING ABILITY	1 mm	ASTM C 836
WATER PENETRATION	PASS	DIN 1048

All values given are subject to 5-10% variation

The technical parameters are designed to be in compliance with British standard code of practice BSCP102 and BS8102.

The tensile and tear strength values reported are the higher values of either longitudinal or transverse direction.

**FOR FURTHER INFORMATION PLEASE DO NOT HESITATE TO CONTACT OUR COMPANY SALE REPRESENTATIVES OR TECHNICIANS.**

*The information stated in this data sheet is based on our research as well as on independent laboratory tests, and is believed to be accurate. However, no guarantee on its applications is given. Clients should ensure proper application depending on their needs.*

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