



BITUSTICK- XL

DESCRIPTION

Bitustick-XL self adhesive waterproofing membranes are a composite of an impervious, cold applied flexible laminated sheet consisting of a multi-layer, high density, cross laminated polyethylene film with a backing of self adhesive rubber compound protected with a silicon coated release film.

USES

Bitustick-XL 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.
- Excellent tear and tensile strength in both longitudinal and transverse direction.
- 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 Polyprime SB at a rate of 4 #6 sq.m. 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 40C to 450C. 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

Bitustick-XL membranes come in rolls with width of 1m and lengths of 10m/15m. The rolls 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.

Our technical advice for use, whether oral, written, or in tests, is given with our best knowledge. It is an indication only and does not involve our responsibility. Values are given as examples and may not be regarded as specifications. As we are not able to monitor product use and given the numerous materials and possible uses, users must perform the necessary tests to verify that the product is suitable for the intended use. Users are responsible for complying with the local legislation and for obtaining any required approvals or authorizations. Users of our products are invited to contact our departments to obtain current versions of technical data sheets and safety data sheets.



STORAGE

Bitustick-XL 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

Bitustick-XL is a non ! hazardous, non inflammable material and therefore can be disposed of in any regular disposal area. Bitustick 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

Bitustick-XL 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.

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BITUMINOUS SELF ADHESIVE MEMBRANE

TECHNICAL DATA

PROPERTIES	VALUES	TEST METHOD
ROLL LENGTH	10 m	UEAtc
ROLL WIDTH	1m	UEAtc
THICKNESS	1.6mm 2.1mm	UEAtc
COATING MIXTURE		
SOFTENING POINT (R&B)	110 OC	ASTM D 36
ELONGATION (Compound)	1500%	ASTM D 412
TENSILE STRENGTH (Membrane), Kpa	3200 Kpa	ASTM D 638
TENSILE STRENGTH (Film), MPa	34.5 MPa	ASTM D 638
ELONGATION		
(Unlimited Failure of Rubberized Asphalt)	300 %	ASTM D 638
ADHESION STRENGTH		
Primed Substrate	2.2 N/mm	ASTM D 1000
Self	2.4 N/mm	ASTM D
1000PUNCTURE RESISTANCE (Membrane),N	222 N	ASTM E 154
WATER ABSORPTION	0.04 %	ASTM D 570
ENVIRONMENTAL RESISTANCE	CONFORMS	ASTM D 543
CRACK BRIDGING ABILITY	1 mm	ASTM C 836
RESISTANCE TO HYDROSTATIC HEAD	60 m of water	ASTM D 5385

*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.

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