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A HIGH PUNCTURE RESISTANT, POLYESTER LAMINATED, SELF-ADHESIVE RUBBER BITUMEN MEMBRANE

GENERAL DESCRIPTION

STICKYBIT is a top laminated rubber bitumen, self-adhesive membrane with a high degree of flexibility, displaying a strong puncture resistance making it ideal for underground horizontal and vertical protection as well as a variety of waterproofing application in the building and civil works field.

USES

STICKYBIT is a general purpose waterproofing membrane suitable for different waterproofing application. Mainly recommended but not restricted to:

- ❖ Basement tanking
- ❖ Foundation Dressing
- ❖ Piles and Footing Wrapping
- ❖ Bathroom and kitchen waterproofing
- ❖ Terraces and covered roofs
- ❖ Outside protection
- ❖ For manholes and water retaining structures

COMPOSITION

STICKYBIT is uniquely composed of a smooth polyester lamination acting as both carrier and reinforcement to which is thermally bonded a layer of high quality blend of rubber mixed with the finest distilled bitumen to give a homogeneous strongly adhering compound. The membrane is then bound to a siliconised release film that easily peels off on site for a quick and neat application.

FEATURES

STICKYBIT with its unique composition displays many features, among them:

- ❖ High puncture resistance making it ideal for tanking work where protection against puncture from soil elements is a must to ensure durable and watertight cover.
- ❖ High flexibility and malleability ensuring a perfect wrapping of footings and piles and around curves and pipes.
- ❖ Low temperature flexibility as an all weather application.
- ❖ An excellent dimensional stability provided by the tough polyester lamination.
- ❖ A good resistance to high temperature as a result of its tropicalised rubber blend and high quality bitumen.

APPLICATION

Surface Preparation:

The surface must be clean, smooth and free from any laitance or loose particles. It should be fully dry.

Priming:

It is recommended to prime the surface with **PRIMER** which should be left to cure properly. The time will vary depending on the weather from 4 - 24 hours.

If the primer is left exposed for a long period, it should be dusted off properly and if necessary apply a thin fresh coat and let dry.

Membrane Laying:

On horizontal surfaces, open the roll and lay it completely on the floor. If necessary mark the floor along the whole length to ensure straight alignment.

While two applicators start peeling off the release film, a third one presses the membrane firmly on the ground.

Place the adjacent membrane straight along the provided selvedge and repeat the same steps. If any mistake in aligning the rolls, lift them slowly and replace them again.

Once the rolls are well placed, roll their surface with a wooden roller, taking extra care on the joints thus ensuring a long lasting bond.

On vertical surfaces, cut the rolls according to the required height and place them as per the above detailed procedure.

In tanking application and along corners, consult DWI's Technical Drawings.

PROTECTION

STICKYBIT is provided with a tough surface, however, in underground application especially on vertical surfaces it is highly recommended to protect the membrane with suitable protection like DWI's **ARMORPROOF**.

PACKING

STICKYBIT is available in rolls of 1x15 M. on pallets.

TECHNICAL DATA

DERMABIT PRODUCTS ARE TESTED AT RANDOM INTERVALS BY INDEPENDENT LABORATORIES TO INTERNATIONAL STANDARDS AND THE RESULTS OF THESE TESTS ARE AVAILABLE ON REQUEST. IN ADDITION, EACH BATCH MANUFACTURED IS SUBJECT TO STRICT QUALITY CONTROL PROCEDURES TO ENSURE IT MEETS APPROPRIATE AND APPLICABLE STANDARDS AND/OR NORMS.



PROPERTIES	TYPICAL VALUES	TEST METHOD
Roll Size	1 x 15 M	
Nominal Thickness	1.5 mm, 2mm & 3mm	ASTM D751
Tensile Strength of the Carrier	120 N/mm ²	ASTM D638
Elongation: Longitudinal Transverse	100 % 100%	ASTM D412
Tear Resistance Longitudinal Transverse	500 N/mm 480 N/mm	ASTM D1004
Peel Strength To primed concrete To Shelf	4.0 N/mm 4.1 N/mm	ASTM D1000
Puncture Resistance	230 N / 65 mm	ASTM E154
Water Absorption	24 hours = 0.11 % 35 days = 0.8%	ASTM D570
Moisture Vapour Transmission rate	< 0.1 gm/m ² / 24 hours	ASTM E96
Environment Test	Resistant to chlorides, sulphates and phosphates found in ground water	ASTM E543

The above data are average figures obtained from the tests of various samples and are subject to the tolerances defined in the specified test methods.

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Submitted by :

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