



## GENERAL

**DERMABIT 2050, 3050, 4050** membranes are used for waterproofing / damp-proofing roofs, foundations, basements, footings, tanking, tunnels, swimming pools, as a tank lining, etc.

## SPECIAL FEATURES

- Positive barrier to water and vapour
- Excellent resistance to atmospheric agents and ageing
- High flexibility at low temperatures.
- Maintain shape stability at high temperatures
- Withstands thermal shocks and ideal for use as an exposed system
- Resistant to water-borne chemical attack
- Resistant to acids, sulphates & chlorides

## DERMABIT MEMBRANE COATING MIXTURE

The coating/impregnating mixture of the **DERMABIT** waterproofing membrane, which is also the waterproofing agent, consists of Bitumen (commonly known as asphalt in the USA) heavily modified with

thermoplastic resins, stabilizers and antioxidants. This mixture gives the membrane excellent resistance to atmospheric agents, & ageing, maintains shape stability at high temperatures, allows high adhesion strength and makes the membrane easy to apply, with considerable savings in time and manpower.

## ROLL SIZE AND PACKING

**DERMABIT 2050, 3050, 4050** are produced in rolls of 1 x 10 metres (special lengths on request). The upper surface is covered with fine sand, (specify Sanded Surface). Alternately the upper surface may also be covered with a thin polyethylene film, (specify PBS). The bottom surface is covered with a thin film of flammable polyethylene, that is burnt off during torching. **DERMABIT** membrane rolls are palletized and shrink-wrapped.

## APPLICATION:

The application of **DERMABIT (2050, 3050, 4050)** is both easy and quick. Where it is to be laid directly in a one-layer system on concrete, tiles or an existing roofing system, a coat of

**DERMAPRIMER** at the rate of 200 - 300 grms/m<sup>2</sup> should first be applied. Allow this coating to dry thoroughly. In areas of high humidity we recommend it should be left overnight.

As in all other applications, the membrane should first be unrolled and positioned correctly on the surface to be treated. Each roll should overlap the adjacent roll by 10 cms. Once the roll has been positioned correctly, the membrane should be rolled up again, taking care not to change its orientation (you should read our brochure "Application Procedures" for a more detailed explanation). Using left to right movements, heat the lower surface of the membrane with a propane gas torch. This will cause slight surface melting and adhesion to the substrate. Continue the above method for consecutive rolls remembering overlaps must be 10 cms and endlaps 15 cms.

Inspection of Lap Joints must be carried out to ensure total adhesion.

## TECHNICAL DATA

This Data may be changed, improved or modified by DWI, in accordance with the Client's requirements or availability of raw material, without advance notice.

\*\*\* This product data sheet supersedes all previous data publications pertaining to this product.

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
Thickness (± 5%)	DERMABIT 2050 DERMABIT 3050 DERMABIT 4050	2mm 3mm 4mm	ASTM D751
Reinforcement core of the membrane		Fibreglass 60gm/m <sup>2</sup>	
Softening point (R+B) of coating mixture		150°C - 155°C	ASTM D36
Penetration (DOW) of coating mixture		20 - 30 dmm	ASTM D5
Tensile Strength	Longitudinal Transverse	420 N/5cm 305 N/5cm	UEAtc - ASTM D146 CGSB-37-GP-56M
Elongation	Longitudinal Transverse	3.8% 3.9%	UEAtc - ASTM D146 CGSB-37-GP-56M
Load Strain	Longitudinal Transverse	1596 1189	UEAtc CGSB-37-GP-56M
Tear Resistance	Longitudinal Transverse	70N 90N	UEAtc
Lap Joint Strength	Longitudinal Transverse	420 N/5cm 305 N/5cm	UEAtc CGSB-37-GP-56M
Puncture Resistance	Static Dynamic	L4 (Not perforated at 25 Kg) I 4	UEAtc
Flexibility at low temperature (-10°C)		No cracking	UEAtc
Creeping of the Membrane applied on 60° sloped surface at a Test Temperature of 100°C during 120 Hours of testing		No creeping	UEAtc
Water Absorption - PBS		Less than 0.15%	ASTM D570
Impermeability of the Membrane to Water		Absolutely Impermeable	UEAtc
Resistance to Thermal Ageing		No signs of deterioration after the test	UEAtc
Resistance to Ageing due to UV-Radiation		No signs of deterioration after the test	ASTM G53
Adhesion strength of the membrane fully bonded to a concrete deck, previously treated with Dermaprimer		0.8 Kg/cm <sup>2</sup>	UEAtc
Water Vapour Permeability		Absolutely Impermeable	ASTM E96

### PACKING CONFIGURATION

DERMABIT 2050 30 Rolls per pallet  
DERMABIT 3050 25 Rolls per pallet  
DERMABIT 4050 20 Rolls per pallet

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Submitted by:

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