



FIBREPOL

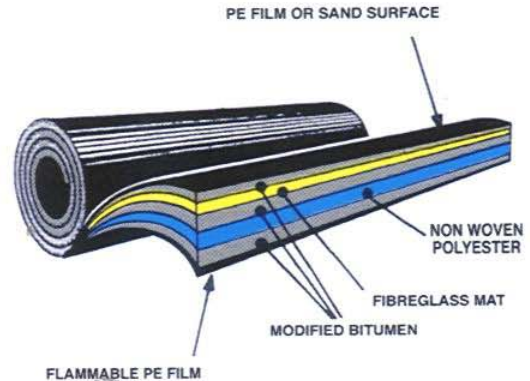
DOUBLE REINFORCEMENT WITH FIBREGLASS FLEECE AND POLYESTER MAT
APP MODIFIED BITUMINOUS MEMBRANE



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Asphalting directly on FIBREPOL



GENERAL DESCRIPTION & REINFORCEMENT CARRIERS

FIBREPOL is an APP modified waterproofing membrane with double reinforcements. Incorporated in **FIBREPOL** are a non-woven polyester carrier and a fibreglass mat.

The fibreglass mat is situated just below the top surface of the membrane. This helps maintain shape stability.

The additional stability afforded by the fibreglass mat allows the membrane to resist thermal shock and gives protection against UV radiation, as well as excellent resistance to ageing. The non woven polyester carrier used in **FIBREPOL** has excellent mechanical characteristics.

Primarily, it absorbs all abnormal stresses transferred by the structure to the membrane. It also helps against transportation/bad handling shock.

The excellent mechanical properties of **FIBREPOL** make it comprehensively versatile.

The polymeric compound and the individual properties of the reinforcements are carefully and correctly balanced to obtain excellent tensile strength, tear resistance, elongation and resistance to puncture. All these properties make the

membrane exceptionally strong, enabling it to resist accidental site abuse as well as withstand asphalt laying equipment traffic, during installation and periodic maintenance.

FEATURES OF DERMABIT FIBREPOL

- Specially designed for bridge deck waterproofing and does not require any protection system when applied under asphalt wearing course.
- Positive barrier to water and vapor
- Excellent resistance to atmospheric agents
- High flexibility at low temperatures
- Maintains shape stability at high temperatures
- Resistant to water-borne chemical attack
- Resistant to acids, sulphates & chlorides
- Accommodates structural movements
- High resistance to traffic and site abuse
- Ideal bridge-deck waterproofing

TYPICAL USES

FIBREPOL is specially formulated for the waterproofing of bridge decks, viaducts, aqueducts and also for new roofing and re-roofing.

It is also recommended for elevated road-ways, bridge ramps etc.

APPLICATION

The application of **FIBREPOL** 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 **DERMABIT PRIMER** at the rate of 200 - 300 grms/m² 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

FIBREPOL

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
Membrane Thickness ± 5%		4mm, 5mm	ASTM D751
Reinforcement Base		Fibreglass 50 gm/m ² Polyester Mat 180 gm/m ²	
Softening point (R+B) of coating mixture		150°C - 155°C	ASTM D36
Penetration (DOW) of coating mixture		10-25 dmm	ASTM D5
Tensile strength	Longitudinal Transverse	800 N/5cm 600 N/5cm	UEAtc
Elongation	Longitudinal Transverse	40% 40%	UEAtc
Tear Resistance	Longitudinal Transverse	195 N 205 N	UEAtc
Load Strain Product	Longitudinal Transverse	32,000 24,000	CGSB-37-GP-56M
Lap Joint Strength	Longitudinal Transverse	800 N/5cm 600 N/5cm	UEAtc
Puncture Resistance	Static Dynamic	L 4 I 4	UEAtc UEAtc
Water vapour permeability		Absolutely impermeable	ASTM E96
Water Absorption - PBS		Less than 0.15 %	ASTM D570
Creeping of the membrane applied on a 60° sloped surface at a test temperature of 100 °C during 120 hours		No creeping	UEAtc
Flexibility at low temperature (-10 °C)		No cracking	UEAtc
Impermeability of the membrane of 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 ²	UEAtc

PACKING CONFIGURATION

FIBREPOL 4 mm 23 Rolls per pallet
FIBREPOL 5 mm 18 Rolls per pallet

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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