



# ELASPHALT

4260 - 5260

SBS MODIFIED BITUMINOUS MEMBRANE



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## GENERAL

A high performance waterproofing membrane specially designed for low temperature climates where its retained malleability makes it easy to apply at sub-zero temperatures. It is also most suitable for foundation works and basements where high flexibility is needed for shaping corners, etc.

## SPECIAL FEATURES:

- Positive vapour barrier
- Excellent resistance to atmospheric agents
- High flexibility during application at sub-zero temperature with no physical strains
- High malleability making it entirely suitable for difficult basement and foundation works.
- Maintains shape stability at high temperatures
- Withstand thermal shocks
- Accommodates structural movements
- Resistant to chemical attacks.

## THICKNESS, SIZE AND SURFACE FINISH

**ELASPHALT 4260 - 5260** is available in 1 x 10 meter rolls with thicknesses of 4mm and 5mm. It has a torchable polyethylene film on the back side and comes with a variety of finishes i.e. sand, PBS (Polythene Both Sides) and natural slate in green, grey, black and white colours. Please specify when ordering.

## REINFORCEMENT CORE AND COATING MIXTURE

**ELASPHALT 4260 - 5260** waterproofing membrane is reinforced with a 260 grms non woven polyester reinforcement that gives the membrane dimensional stability and resistance to puncture. It is coated in a specially formulated mixture of SBS modified bitumen which makes the membrane resistant to water, atmospheric agents, and malleable at low temperature.

## REINFORCEMENT CORE AND COATING MIXTURE

The application of **ELASPHALT 4260 - 5260** 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 **DERMA PRIMER** 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.

The membrane must first be unrolled and laid down on the area to which it is to be applied. Check the orientation carefully. Adjacent rolls should then be laid, each overlapping the one next to it by 10 cms on the side and 15 cms at the ends. Taking care not to change the orientation of each roll, reverse the process until each has been re-rolled. **We recommend you read our "Application Procedures" for a comprehensive explanation of the process.** When laying the roll, the lower surface should be heated with a propane torch, using sweeping left to right movements. This will melt the lower surface of the membrane and allow it to stick to the substrate. Once laid, you should either remove the special selvedge paper or torch the special propylene selvedge which is provided with some membranes. Continue this process for each subsequent roll, remembering that the overlaps must be 10 cms for the edges and 15 cms at the ends. When the process is complete, carry out an inspection to ensure total adhesion.

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## 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
Reinforcement base		260 gms/m <sup>2</sup> Non woven Polyester	
Membrane nominal Thickness		4mm or 5.0 mm	UEAtc
Softening Point of Coating Mixture		≥ 120 °C	ASTM D36
Penetration (DOW) of coating mixture		35-45 dmm	ASTM D5
Flexibility at low temperature		- 25 °C	UEAtc, ASTM D 146 CGSB-37-GP56M
TENSILE STRENGTH	Longitudinal Transverse	1100 N/5cm 900 N/5cm	UEAtc, ASTM D 146 BS 2782
ELONGATION	Longitudinal Transverse	50% 55%	UEAtc, ASTM D 146 BS 2782
LOAD STRAIN PRODUCT	Longitudinal Transverse	62,500 55,000	CGSB-37-GP56M
TEAR RESISTANCE	Longitudinal Transverse	270 N 280 N	UEAtc
LAP JOINT STRENGTH	Longitudinal Transverse	> 1100 N/5 cm > 900 N/5 cm	UEAtc
PUNCTURE RESISTANCE	Static Dynamic	L4 (25 Kgs., 10 mm ball - No effect) I 4 (9 Joules impact energy, 5 mm ball - No effect)	UEAtc
Water Absorption		Less than 0.25 %	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 2000 hours	ASTM G53
Water Vapour Permeability		Absolutely Impermeable	ASTM E96
Hydrostatic Pressure Resistance		> 110 PSI	DIN 1048

\* These membranes can be manufactured with a low flexibility temperature value with this range, to meet worldwide client requirement, standards, climatic condition and application requirements.

**PACKING :** ELASPHALT 4260      23 Rolls per pallet  
 ELASPHALT 5260      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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