



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 mainly intended as an underlayer in two layer waterproofing systems or as a single layer membrane in areas like kitchens, bathrooms, basements, etc. where no high movements are expected and the extra flexibility provided by an Elastomeric Membrane is required.

SPECIAL FEATURES:

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

THICKNESS, SIZE AND SURFACE FINISH

ELASPHALT 2050, 3050, 4050 is available in 1m x 20m rolls in 2mm, thickness and in 1m x 10m rolls of 3mm/4mm thickness. It is covered with a polythelene at the back and comes in a variety of surface finishes; sand or polythelene film.

REINFORCEMENT CORE AND COATING MIXTURE:

ELASPHALT 2050, 3050, 4050 waterproofing membranes are reinforced with a 60 grams/m² of fiberglass 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.

APPLICATION

The application of **ELASPHALT (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/m² 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.

TECHNICAL DATA

This data may be changed, improved or modified by DWI without advance notice, in accordance with the Client's requirements or according to the availability of raw materials.
THIS PRODUCT SHEET SUPERSEDES ALL PREVIOUS PUBLICATIONS PERTAINING TO THIS PRODUCT.

PROPERTIES	VALUES			METHOD OF TESTING
	ELASPHALT 2050	ELASPHALT 3050	ELASPHALT 4050	
Thickness \pm (5%)	2mm	3mm	4mm	ASTM D751
Reinforcement base	60 gms/m ² Fiberglass			
Softening Point (R+B) of Coating Mixture	$\geq 120^{\circ}\text{C}$			ASTM D36
Penetration (DOW) of Coating Mixture	45 dmm			ASTM D5
Flexibility at low temperature	-20°C			UEAtc, ASTM D146 CGSB-37-GP56M
TENSILE STRENGTH	Longitudinal Transverse	350 N/5cm ² 300 N/5cm		UEAtc ASTM D146 CGSB-37-GP56M
ELONGATION	Longitudinal Transverse	38% 39%		UEAtc ASTM D146 CGSB-37-GP56M
LOAD STRAIN PRODUCT	Longitudinal Transverse	1596 1189		CGSB-37-GP56M
TEAR RESISTANCE	Longitudinal Transverse	20 N 90 N		UEAtc
LAP JOINT STRENGTH	Longitudinal Transverse	420 N/5cm 310 N/5cm		UEAtc CGSB-37-GP56M
PUNCTURE RESISTANCE	Static Dynamic	L 4 I 4		UEAtc
HEAT FLOW RESISTANCE, 100°C, 2hrs	No Flow			UEAtc
Water Absorption	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 2000 hours			ASTM G53
Water Vapour Permeability	Absolutely Impermeable			ASTM E96

PACKING : ELASPHALT 2050 20 rolls per pallet
ELASPHALT 3050 25 rolls per pallet
ELASPHALT 4050 20 rolls per pallet

DISTRIBUTED BY:

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