



ASPHALTOPLAST

THE NEW GENERATION

APP MODIFIED PLASTOMERIC BITUMINOUS MEMBRANE



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GENERAL

ASPHALTOPLAST water-proofing membranes have been developed using the most up-to-date technology, to provide a highest performance at low cost.

ASPHALTOPLAST Torch Applied membranes are manufactured with a choice of reinforcements, 60 grms/m² Fibreglass Fleece or 180 grms/m² non-woven Spunbond Polyester mat. The reinforcement are impregnated and then coated with a polymer modified bituminous compound. This mixture gives the membrane properties of high softening point while making it resistant to atmospheric agents, and ageing. The APP modified bitumen compound allows the membrane to withstand high temperatures, ensures shape stability, increases adhesion strength and ease in application.

SPECIAL FEATURES

- Positive barrier to water & vapour.
- Excellent resistance to atmospheric pressure.
- High flexibility at low temperature.

- High performance, withstands thermal shocks and ideal for use as an exposed system.
- Resistant to water-borne chemical attack.

SIZE AND FINISHING

ASPHALTOPLAST membranes are manufactured and supplied in rolls of 1 x 10 metres. The upper and lower surfaces are covered with thin polyethylene film or sand.

TYPICAL USES

ASPHALTOPLAST may be used for the waterproofing of roof decks, slabs, basements, foundations, tanking work, waste-water canal lining, sewerage tank lining etc.

ASPHALTOPLAST may also be used in compliance with BS 8102 (1990).

APPLICATION

The application of **ASPHALTOPLAST** 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

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.

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PROPERTIES		VALUES				METHOD OF TESTING
		ASPHALTOPLAST 3F	ASPHALTOPLAST 4F	ASPHALTOPLAST 3P	ASPHALTOPLAST 4P	
Membrane Thickness +5%		3mm	4mm	3mm	4mm	ASTM D751
Softening Point (R+B) of Coating Mixture		155 °C				ASTM D36
Penetration of coating mixture at 25°C		12 - 20 dmm				ASTM D5
*Flexibility at low temperature		-2°C - 5°C				UEAtc
Service Ambient Temperature		-10°C to 100°C				
TENSILE STRENGTH	Longitudinal	300 N/5 cm		750 N/5 cm		UEAtc
	Transverse	200 N/5cm		550 N/5cm		
ELONGATION	Longitudinal	3.8 %		40 %		UEAtc
	Transverse	3.9 %		45 %		
TEAR RESISTANCE	Longitudinal	90 N		190 N		UEAtc
	Transverse	110 N		190 N		
PUNCTURE RESISTANCE	Static	L3		L4		UEAtc
	Dynamic	I3		I4		
Resistance to water pressure (24 hr)		> 60 kpa				UEAtc
Resistance to Thermal Ageing		Complies				UEAtc
Resistance to Ageing due to UV-Radiation		Complies				UEAtc
Resistance to thermal-Hydro Shock		No Signs of deterioration after the test				UEAtc
Water vapour Permeability		< 0.2 g/24 hr / m ²				ASTM E96
<p>ASPHALTOPLAST membranes are resistant to chlorides, sulphates and phosphates found in ground water.</p>						

*Flexibility at low temperature can be altered depending on prevailing climatic conditions or client's request. 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.

PACKING : 3mm membrane 30 rolls per pallet
4mm membrane 23 rolls per pallet

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