

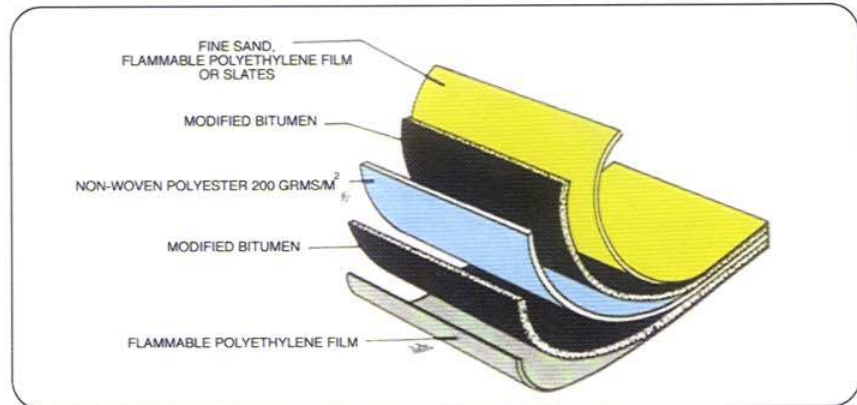


ECOGUM SP



APP MODIFIED BITUMINOUS MEMBRANE

PUBLICATION NO.: R 618/MAY '05



GENERAL

ECOGUM SP has been developed using the most up-to-date technology to provide quality and high performance.

FEATURES OF THE ECOGUM MEMBRANE

- Positive barrier to water & vapour
- Excellent resistance to atmospheric agents
- High flexibility at low temperatures
- Withstands thermal shocks.
- Easy application.

REINFORCEMENT CORE & COATING MIXTURE

ECOGUM SP Roofing and Waterproofing membrane is manufactured with non-woven polyester reinforcement weighing 200 gms/m² that is impregnated and coated with a mixture of APP modified bitumen. This mixture gives the membrane its excellent properties of resistance to water, ageing, with shape stability at high temperatures, and facilitates ease of application and adhesion.

THICKNESS, SIZE & SURFACE FINISH

ECOGUM SP Roofing and Waterproofing

Membranes are available in 3 & 4 mm thicknesses to suit application requirement and standard roll size is 1 x 10 meter.

The upper surface is covered with fine sand and the lower surface with a thin Polyethylene film or both sides with Polyethylene film. It is also available with a slated surface for exposed application.

APPLICATION METHODS

The application of **ECOGUM SP** 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 gms/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.

HOT "MOP ON" APPLICATION: The hot Asphalt (ASTM D 312) Type III is first mopped on or poured directly from the kettle on to the laying surface at a rate of 800-1000 gms/m². If the slope of the roof exceeds 5%, use ASTM D 312 Type IV. The temperature of the Asphalt to be mopped should be around 232°C (450°F). The membrane is then positioned in the proper manner and unrolled immediately over the hot Asphalt surface. While unrolling the membrane, hot Asphalt is poured at the seams to ensure a properly sealed over-lap joint with a slight flow of Asphalt at all the seams. Subsequent rolls are set alongside the first, overlapping by a 10cm minimum at the side lap and 15 cm at the end laps.

MECHANICAL FIXING: **ECOGUM SP** membranes may also be applied mechanically, by nailing the membrane to the deck, using special fasteners.

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.

ECOGUM SP

PROPERTIES	VALUES				METHOD OF TESTING
	ECOGUM SP 3	ECOGUM SP 4	ECOGUM SP 3 SL	ECOGUM SP 4 SL	
Membrane thickness	3mm	4mm	3.5 mm	4.1 mm	UEAtc
Reinforcement base	200 gms /m ² Polyester mat				
Softening Point (R+B) of Coating Mixture	155 °C				ASTM D36
Penetration (DOW) of coating mixture	12-20 dmm				ASTM D5
Flexibility at low temperature	-2°C to -5°C				UEAtc, ASTM D146 CGSB-37-GP56M
TENSILE STRENGTH	840 N/5 cm 630 N/5cm				UEAtc, ASTM D146 CGSB-37-GP56M
ELONGATION	Longitudinal Transverse	45 % 45 %			UEAtc, ASTM D146 CGSB-37-GP56M
TEAR RESISTANCE	Longitudinal Transverse	180 N 190 N			UEAtc
LAP JOINT STRENGTH	Longitudinal Transverse	> 840 N/5cm > 630 N/5cm			UEAtc CGSB-37-GP56M
PUNCTURE RESISTANCE	L 4 I 4				UEAtc
HEAT FLOW RESISTANCE, 100°C, 2hrs	No Flow		No Flow		UEAtc
Water Absorption	Less than 0.15%		--		ASTM D36
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 D36
Water Vapour Permeability	< 0.2 g / 24 hr/m ²		< 0.2 g / 24 hr/m ²		ASTM D36
Hydrostatic Pressure Resistance	> 110 PSI		--		DIN 1048

PACKING : 3mm membrane 25 Rolls per pallet
4mm membrane 20 Rolls per pallet

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Submitted by :

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