



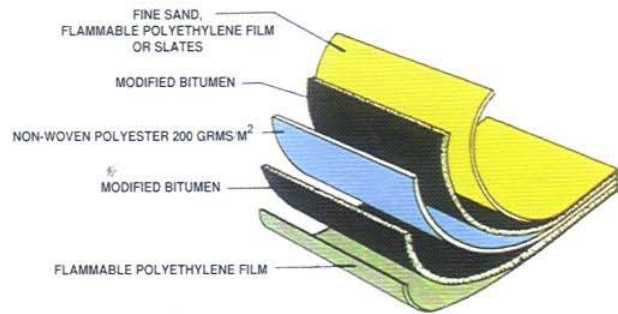
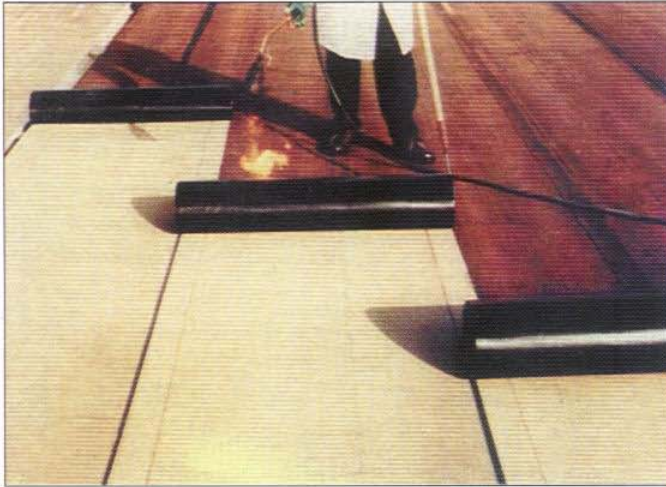
# ECOGUM 200



THE NEW GENERATION

APP MODIFIED BITUMINOUS MEMBRANE

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## GENERAL

**ECOGUM 200** has been developed using the most up-to-date technology to provide quality and high performance.

## FEATURES OF THE ECOGUM 200 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 200** Roofing and Waterproofing membrane is manufactured with a non-woven spunbond polyester reinforcement weighing 200gms/m<sup>2</sup> that is impregnated and coated with a mixture of APP modified bitumen. This mixture gives the membrane its excellent properties of resistance to water, atmospheric agents, ageing, with shape stability at high temperatures, and facilitates ease of application and adhesion.

## THICKNESS, SIZE & SURFACE FINISH

**ECOGUM 200** Roofing and Waterproofing Membranes are available in 3 & 4 mm thickness 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:

The application of **ECOGUM 200** 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 gms/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.

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.

**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/m<sup>2</sup>. If the slope of the roof exceeds 5%, use Asphalt 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 overlap 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 laps and 15cm at the end laps.

## MECHANICAL FIXING:

**ECOGUM 200** membranes may also be applied mechanically, by nailing the membrane to the deck, using special fasteners.

# ECOGUM 200

## 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		VALUES			METHOD OF TESTING
		ECOGUM 200 3	ECOGUM 200 4	ECOGUM 200 4 SL	
Membrane thickness $\pm 5\%$		3mm	4mm	4.1mm	ASTM D751
Reinfortent base		200gms/m <sup>2</sup> non-woven spunbond polyester mat.			
Softening Point (R+B) of Coating Mixture		Min. 155 °C			ASTM D36
Penetration (DOW) of coating mixture		12-16 dmm			ASTM D5
Flexibility at low temperature (at -2 to -5°C)		No Cracking			UEAtc
TENSILE STRENGTH	Longitudinal	900 N/5cm			UEAtc
	Transverse	650 N/5cm			
ELONGATION	Longitudinal	45			UEAtc
	Transverse	45			
LOAD STRAIN PRODUCT	Longitudinal	40,500			CGSB-37-GP56M
	Transverse	29,250			
TEAR RESISTANCE	Longitudinal	170			UEAtc
	Transverse	160			
LAP JOINT STRENGTH	Longitudinal	> 900N/5cm			UEAtc
	Transverse	> 650 N/5cm			
PUNCTURE RESISTANCE	Static	L4			UEAtc
	Dynamic	I 4			
HEAT FLOW RESISTANCE, 100°C, 2 hrs		No Flow	No Flow		UEAtc
Water Absorption (PBS)		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 the test			ASTM G53
Water Vapour Permeability		Absolutely Impermeable	Absolutely Impermeable		ASTM E96
Hydrostatic Pressure Resistance		> 110 PSI	> 110 PSI		DIN 1048

**PACKING** : 3mm membrane    30 Rolls per pallet  
                   4mm membrane    23 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.

### DWI, DERMABIT WATERPROOFING INDUSTRIES COMPANY LTD.

Head Office                    P. O. Box 10308 - Jubail Industrial City 31961 Saudi Arabia  
 Telephone : 00966 3 3410464    Telefax : 00966 3 341 0481  
 E-mail: dermabit@dermabit.com.sa  
 Website : dermabit.net

International Operations    Telephone/Telefax: 00961 4 872 473  
 E-mail: dwint@terra.net.lb

Al-Khobar Branch            Telephone/Telefax : 00966 3 8823986  
 E-mail: khobar@dermabit.net

Riyadh Branch                Telephone : 00966 1 4645988 / 4657761  
 Telefax : 00966 1 4634100  
 E-mail: riyadh@dermabit.net

Jeddah Branch                Telephone : 00966 2 6973309 - Telefax : 00966 2 6976374  
 E-mail: jeddah@dermabit.net

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