



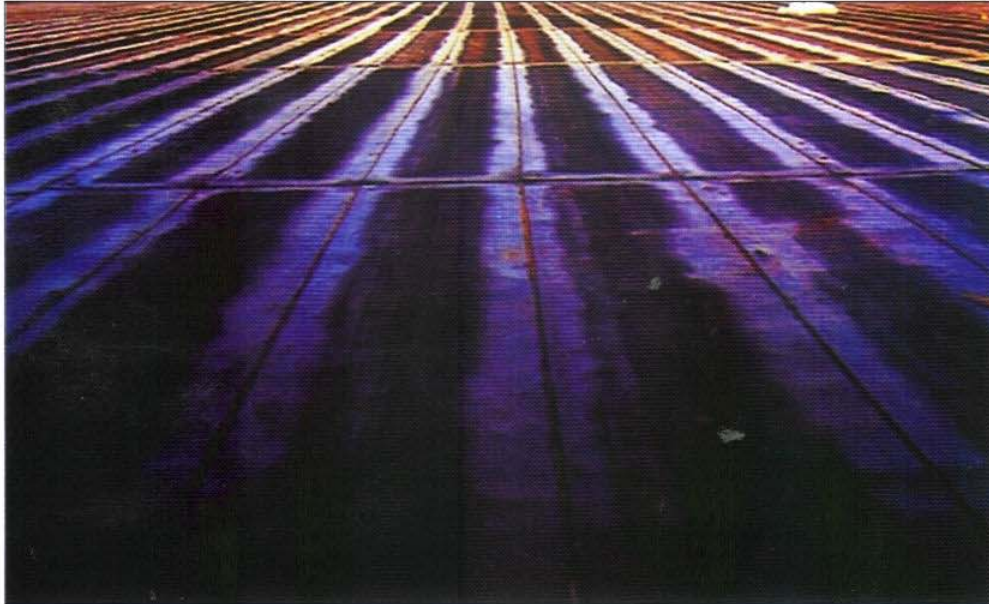
PLASTOMEX

THE NEW GENERATION

APP MODIFIED BITUMINOUS MEMBRANE



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GENERAL

PLASTOMEX is a general purpose, APP plastomer modified bituminous membrane intended for a variety of waterproofing jobs in building and civil works including roofing, basement and foundations, decks, wet areas, etc.

PLASTOMEX displays a high softening point which allows it to be laid in the harshest arid climates.

FEATURES OF THE **PLASTOMEX** MEMBRANE

- Water and vapour barrier
- Good resistance to atmospheric agents
- Withstands thermal shocks
- Easy application
- Excellent ageing ability due to high quality modification
- Resistant to water-borne chemical attack

REINFORCEMENT CORE & COATING MIXTURE

PLASTOMEX roofing and Waterproofing membranes are manufactured with either fibreglass or non-woven polyester reinforcement that are impregnated and coated with a mixture of plastomer modified bitumen that ensures shape stability at high temperatures and good torchability.

THICKNESS, SIZE AND SURFACE FINISH

PLASTOMEX roofing and waterproofing membranes are available in different thickness from 2 to 5 mm depending on requirement. Standard roll size is 1x10M. (although **PLASTOMEX** 2F is available in 1 x 20 M. rolls). The upper and bottom surfaces have either a thin polyethylene film or sand. The membrane is known as PBS (Polyethylene Both Sides) or sand where the top surface is sanded.

APPLICATION

Application of **PLASTOMEX** is easy

and quick by the torch-on method. After having mopped the surface to be waterproofed with 200-300 grms/m² of **DERMA PRIMER** (ASTM D41), allow a drying time of up to 24 hours.

The membrane is unrolled and placed in the position where it has to be torched on later. The membrane is then rerolled without changing the given orientation and unrolled again while heating the lower surface with a propane gas torch, causing surface melting and subsequent adhesion to the primed surface.

Membranes should overlap each other by at least 10 cms at the side lap and 15 cms at the end laps. Inspection of lap joints must be carried out to ensure total adhesion. Smooth out seams with a rounded trowel.

As an alternative, **PLASTOMEX** can be applied mechanically by nailing the membrane to the decks using special fasteners.

TECHNICAL DATA

PLASTOMEX

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 |
|---|--------------|--|-----------------------|-----------------------|---|-----------------------|-------------------|
| | | PLASTOMEX 2F | PLASTOMEX 3F | PLASTOMEX 4F | PLASTOMEX 3P | PLASTOMEX 4P | |
| Thickness (nominal) | | 2mm | 3mm | 4mm | 3mm | 4mm | ASTM D751 |
| Membrane weight | | 2.3 Kg/m ² | 3.4 Kg/m ² | 4.5 Kg/m ² | 3.5 Kg/m ² | 4.6 Kg/m ² | |
| Reinforcement base | | 50gms/m ² Fibreglass | | | 150gms/m ² Non-woven Polyester Mat | | UEAtc |
| Softening Point (R+B) of Coating Mixture | | Min. 150 °C | | | | | ASTM D36 |
| Penetration 25°C of coating mixture | | 10-25 dmm | | | | | ASTM D5 |
| *Flexibility at low temperature (at 0 to -4°C) | | No Cracking | | | | | UEAtc |
| TENSILE STRENGTH | Longitudinal | 240 N/5 cm | | | 600 N/5 cm | | UEAtc |
| | Transverse | 210 M/5cm | | | 450 M/5cm | | |
| ELONGATION | Longitudinal | 3.8 % | | | 30 % | | UEAtc, ASTM D146 |
| | Transverse | 3.6 % | | | 38 % | | |
| TEAR RESISTANCE | Longitudinal | 70 N | | | 120 N | | UEAtc |
| | Transverse | 90 N | | | 130 N | | |
| LAP JOINT STRENGTH | Longitudinal | > 240 N/5 cm | | | >650 N/5 cm | | UEAtc |
| | Transverse | > 210 M/5cm | | | >480 M/5cm | | |
| Creeping of the Membrane applied on 60° sloped surface at a test Temperature of 100°C during 120 Hours of testing | | No Creeping | | | | | UEAtc |
| Water Absorption | | Less than 0.2 % | | | | | 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 |
| <p>PLASTOMEX 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.

PLASTOMEX is also available in weights of 2kgs, 3kgs & 4kgs / M²

PACKING : PLASTOMEX 2F 23 Rolls per pallet (1 X 20m)
 PLASTOMEX 3P/3F 30 Rolls per pallet (1 x 10m)
 PLASTOMEX 4P/4F 23 Rolls per pallet (1 x 10m)

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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