MAKPHALT
Protecting Nation's Infrastructure
by M.K. PETRO PRODUCTS

MAK POLYPLAST SUPERLAY™

Mineral Finish

Description

MAK POLYPLAST SUPERLAY is a polymeric waterproofing membrane consisting of five layers. The Centre core consists of 160 gsm/sqm Non-Woven Polyester Mat. The Polyester Mat Film is the reinforcement barrier against water and moisture. The Centre Core is provided on both sides with SBS/APP polymer modified bitumen with properties of high Softening point, Heat resistance and high Penetration making it ideal for waterproofing purposes. The polymer-modified bitumen is protected on one side with Thermofusible High Molecular High Density Polyethylene Film and UV-resistant mineral granules on the other side. The polymeric membrane has elongation exceeding 60% to absorb all Structural movements. It has a very high tensile strength and cold resistivity to adapt to all contours.

Features

- Resistance to U.V. radiation
- Resistance to temperature change
- Resistance to chemical corrosionmmer.

Areas of Application

- Low slope concrete roofs
- Balconies
- Multi-storied car parks
- Tunnel
- For lining sewerage canals, sub grade structures and any concrete or cementitious flat surface that needs waterproofing.

Application Procedure:

- The surface has to be cleaned to have a smooth surface.
- Apply a coat of MAK PRIMER @ 0.4 lit/sqm
- MAKPOLY PLAST SUPERLAY is unrolled over the coated surface and bonded completely on the substrate. The overlaps are sealed with L.P.G Torch with end overlaps 100 mm and side overlaps 75 mm.
- Upper surface finishes include

(1.) Mineral Slated Grey (2.) Mineral Slated Green (3.) Mineral Slated White

Health and Safety:

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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Technical Characteristics

CHARACTERISTICS OF POLYMER MODIFIED BITUMEN		TEST METHOD
Softening point °C	150 ± 5	ASTM D-36
Penetration 25° C 100 g, 5 Sec	25 ± 5	ASTM D-5
CHARACTERISTICS OF MEMBRANE		
Low Temp. Flexibility at –5°C	Does not crack	ASTM D-5147
Water absorption, Max.	Should not drip and slide	ASTM D-5147
Heat Resistance 1 Hr 100 °C	Does not crack	ASTM D-5147
Tensile Strength Longitudinal Transverse	 650 N/5cm 450 N/5cm	ASTM D-5147
Elongation % Longitudinal Transverse	 60 60	ASTM D-5147
Tear Strength N Longitudinal Transverse	 ≥ 350 ≥ 300	ASTM D-5147

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