

## MAK POLYPLAST SUPERLAY™

App Modified Bituminous Waterproofing  
Membranes With Polyester Reinforcement



### Description

MAK POLYPLAST SUPERLAY is a polymeric waterproofing membrane consisting of seven layers. The Centre core consists of 160 gsm 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 both sides with Thermo fusible High Molecular High-Density Polyethylene Film. The polymeric membrane has elongation exceeding 40% to absorb all Structural movements. It has a very high tensile strength and cold resistivity to adapt to all contours.

### Features

- ◆ Softening Point 150 °c
- ◆ Increase flexibility at low temperature.
- ◆ Excellent weathering.
- ◆ Fire resistant.

### Areas of Application

- ◆ Airport aprons & Ramp areas.
- ◆ Bridges & Tunnels.
- ◆ Inverted roofs & Parapets.
- ◆ Terrace, Balconies & Patios.
- ◆ Concrete Foundation & Footings.
- ◆ Basement & Pile Heads.
- ◆ Swimming Pools.
- ◆ Water retaining bodies and tanks.

### Application Procedure:

- ◆ The Surface has to be cleaned to have a smooth Surface.
- ◆ Apply a coat of MAK PRIMER @ 0.3-0.4 L /sqm
- ◆ MAK POLY 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
- ◆ Laying 120 gsm geotextile as separation layer for covering application.
- ◆ MAK POLYPLAST SUPERLAY is topped with Cement Screed or tiles for covering application otherwise for exposed areas MAK SILVER (Bituminous paint) is to be laid over the membrane.

### 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.

### Disclaimer

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**Range and Supply**

GRADES	SPECIAL	SUPER	SUPREME
Thickness	2 MM	3 MM	4 MM
Weight	3.0 KG/SQM	4.0 KG/SQM	5.0 KG/SQM
Length	10 M	10 M	10 M
Width	1.0 M	1.0 M	1.0 M

**Technical Characteristics:**

**Reinforcement: 160 GSM NON- WOVEN POLYESTER MAT**

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	0.1%	ASTM D-5147
Heat Resistance 1 hr 100 °C	Should not drip and slide	ASTM D-5147
Tensile Strength Longitudinal Transverse	650 N/5cm 450 N/5cm	ASTM D-5147
Elongation % Min Longitudinal Transverse	40 50	ASTM D-5147
Tear Strength N Longitudinal Transverse	≥ 350 ≥ 300	ASTM D-5147

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