



## TOPSEAL

**Polymer Modified Bitumen Membrane with Non-woven Polyester**

**BITUMAT TOPSEAL** is a finely formulated polymer modified bitumen membrane designed for economical and easy applications.

**BITUMAT TOPSEAL** waterproofing membrane consists of non-woven polyester reinforcement, impregnated and coated on both sides with polymer modified bitumen.

### USES

**BITUMAT TOPSEAL** membrane is ideal for a wide range of waterproofing applications including roofs, car parks, reservoirs, etc.

### OUTSTANDING FEATURES

- Excellent cost performance ratio
- Easy to install
- Total Impermeability
- Good bondability & seam integrity
- Stability at high temperature
- Good flexibility
- Compatible with all normal roofing and building components

### GENERAL DATA

Nominal Roll Length : 10 Mtrs.  
 Nominal Roll Width : 1 Mtr.  
 Nominal Thickness : 3,4,5 MM  
 Nominal Weight : 4mm / 47 Kgs per Roll  
 Re-inforcement : Non-woven polyester

### PACKAGING

- 3mm - 28 Rolls / Pallet
- 4mm - 23 Rolls / Pallet

### FINISHES

**BITUMAT TOPSEAL** is available in two basic finishes :

- Black smooth finish with polyethylene surfaces for covered applications.
- Granule surfacing for exposed applications.

### QUALITY CONTROL

In addition to stringent regular tests by BITUMAT laboratory, our products are tested periodically by Independent laboratories.

### INSTALLATION TOOLS REQUIRED

Gas torch, Knife, Trowel, Measuring tape, Marking string, Gloves

### APPLICATION

**BITUMAT TOPSEAL** is installed by torch welding method, loose-laid or fully bonded to substrate. When loose-laid, only laps are bonded together.

Peripheries and protrusions are sealed according to specifications.

### COVERAGE RATE (Approx.)

(Rate may vary as per site requirement)

Flat areas : 1.15 M<sup>2</sup>/M<sup>2</sup> per layer  
 with 10 cms. side laps  
 and 15 cms. end laps.  
 Base flashing : 100x35 cms. with 15  
 cm. end laps, 0.40 M<sup>2</sup>/  
 Linear Mtr.

Average wastage : 3 - 5 %

### TORCHING GUIDELINES

The underside of the membrane should be torched just enough to superficially melt the bitumen. Excessive heating may damage the reinforcement. Overlaps should be re-heated from the top and resealed with a trowel to ensure seam integrity.

For details of installation methods and flashing requirements, consult the Bitumat technical department.

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Non-woven Polyester

### Technical Data

PMB02 30-Q R-00 00

No.	Property	Typical Value	Test Method
1.	Reinforcement	Non-woven Polyester	---
2.	Softening Point °C	150	ASTM D 36
3.	Penetration @ 25 °C dmm	18	ASTM D 5
4.	Tensile Strength, L/T, N/5 CM @23 ±2 °C	600 / 400	ASTM D 5147
5.	Elongation, L/T, % @23 ±2 °C	40 / 45	ASTM D 5147
6.	Tear Strength, L/T, N	300 / 200	ASTM D 5147
7.	Heat Resistance, @ 80 °C	No flow	ASTM D 5147
8.	Cold Flexibility, °C	0 to +5	ASTM D 5147
9.	Lap Joint Strength L/T, N/5 CM @23 ±2 °C	620 / 400	CGSB 37 GP 56 M

The information given in this Technical Data Sheet reflects typical median properties based on laboratory test, and practical experience; subject to the tolerance levels of UEAtc directives. However, as the product is often used under conditions beyond our control, we can't warrant but the product itself.

THIS PUBLICATION AUTOMATICALLY SUPERSEDES ALL PREVIOUS PUBLICATIONS RELATING TO THIS PRODUCT.

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