



BITUMAT
بيتومات

The Power to Perform

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NRCA MEMBER



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ROOFSEAL

Polymer Modified Bitumen Membrane with
Nonwoven Polyester or Glass Reinforcement

DESCRIPTION

BITUMAT ROOFSEAL is a pre-fabricated polymer modified bitumen membrane designed for economy and easy applications.

BITUMAT ROOFSEAL "P" is re-inforced with a non-woven polyester fabric, whereas BITUMAT ROOFSEAL "G" is reinforced with a glasfiber mat. The re-inforcement is impregnated and coated on both sides with polymer modified bitumen.

USES

BITUMAT ROOFSEAL membrane is ideal for a wide range of waterproofing applications including roofs, basements, tunnels, car parks and reservoirs.

OUTSTANDING FEATURES

- 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 / Glasfibre mat

PACKAGING

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

FINISHES

BITUMAT ROOFSEAL 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 ROOFSEAL 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 M²/M² per layer with 10 cms. side laps and 15 cms. end laps.

Base flashing : 100x35 cms. with 15 cm. end laps, 0.40 M²/ 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 re-inforcement.

Overlaps should be re-heated from the top and re-sealed with a trowel to ensure seam integrity.

For details of installation methods and flashing requirements, consult the relevant *BITUMAT Systems Design and Installation Manual*.



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Polymer Modified Bitumen Membrane with
Non-woven Polyester or Glass Re-inforcement

TECHNICAL DATA

PBM01 50-E R-00 00

	Property	Typical Value		Test Method
		Roofseal "P"	Roofseal "G"	
1.	Reinforcement	Polyester	Glasfiber	-
2.	Softening point °C	150	150	ASTM D 36
3.	Penetration @ 25°C dmm	20	20	ASTM D 5
4.	Tensile strength, L/T, N/5 CM @ 23°C	650 / 450	350 / 300	ASTM D 5147
5.	Elongation, L/T, % @ 23°C	40 / 45	3.0 / 3.3	ASTM D 5147
6.	Tear strength, L/T, N	300 / 250	60 / 80	ASTM D 5147
7.	Heat resistance, @ 80°C	No flow	No flow	ASTM D 5147
8.	Cold flexibility, °C	0-(-2)	0-(-2)	ASTM D 5147
9.	Lap joint strength L/T, N/5 CM @ 23°C	650 / 450	350 / 300	CGSB 37 GP 56M

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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