



BITUMAT
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The Power to Perform

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NRCA MEMBER



ISO CERTIFIED

ROOF-FLAME

Polymer Modified Waterproofing Membrane

DESCRIPTION

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

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

USES

BITUMAT ROOF-FLAME 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 M
Nominal Thickness : 3,4 MM

PACKAGING

- 3mm - 28 rolls / pallet
- 4mm - 23 rolls / pallet

FINISHES

BITUMAT ROOF-FLAME 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 Bureau Veritas & SOCOTEC.

INSTALLATION TOOLS REQUIRED

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

APPLICATION

BITUMAT ROOF-FLAME 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 M
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 resealed 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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TECHNICAL DATA

PBM02	50-E	R-00	00
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		Roof-Flame "P"	Roof-Flame "G"	Test Method
1.	Reinforcement	Polyester	Glasfiber	
2.	Softening point °C	155 ± 5	155 ± 5	ASTM D 36
3.	Penetration @ 25°C dmm	20 ± 5	20 ± 5	ASTM D 5
4.	Tensile strength L/T, N/5 CM @ 23°C	650 / 450 (±20%)	350 / 300 (±20%)	ASTM D 5147
5.	Elongation L/T, N/5 CM @ 23°C	40 / 45 (±20%)	3.0 / 3.3 (±20%)	ASTM D 5147
6.	Tear strength, N, Min.	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, 5CM @ 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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