

SBS Modified Waterproofing Membrane

DESCRIPTION

BITUMAT PREMIERFLEX-2000 is an SBS modified bitumen waterproofing membrane re-inforced with spunbonded polyester mat. The combination gives the proven waterproofing qualities of bitumen along elasticity, and excellent resistance to weathering and ease of application.

USES

BITUMAT PREMIERFLEX-2000 is a general purpose waterproofing membrane and is excellent in a single layer or a multi layer roofing system. When surfaced with granular slate, BITUMAT PREMIERFLEX-2000 is ideal as an exposed top layer. BITUMAT PREMIERFLEX-2000 is also suitable for underground waterproofing. Suitable for moderately cold or hot climates.

OUTSTANDING FEATURES

- Good cold weather resistance
- High tensile strength and tear resistance
- Good elongation and recovery
- Very good puncture resistance
- Resistant to substrate movement

GENERAL DATA

Nominal Roll length	: 10 M
Nominal Roll width	: 1M
Nominal Thickness	: 3,4,5 MM
Reinforcement	: Spunbonded polyester mat.

PACKAGING

- 3mm - 28 rolls / pallet
- 4mm - 23 rolls / pallet
- 5mm - 16 rolls / pallet

FINISHES

BITUMAT PREMIERFLEX-2000 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 like SOCOTEC.

STANDARDS

BITUMAT PREMIERFLEX-2000 complies with the requirements and tolerance levels of :

1. The American Society for Testing and Materials ASTM D 6164 Type I.
2. European Union of Technical Agreement (UEAtc) MOAT 31-1984 and MOAT 30-1984.

INSTALLATION TOOLS REQUIRED:

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

APPLICATION

BITUMAT PREMIERFLEX-2000 is installed by torch welding method, loose-laid or fully bonded to substrate. When loose-laid, only overlaps are bonded together. Peripheres 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 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

MBM08 MAY04 R-00 00

	Property	Typical Value	Test Method
1.	Softening point, °C	110	ASTM D 36
2.	Penetration, @ 25 °C dmm	35	ASTM D 5
3.	Low temperature flexibility, °C	-8 to -14	ASTM D 5147
4.	Heat resistance, Compound stability @ 90 °C for 2 hours & 15 minutes	No flow - Pass	ASTM D 5147
5.	Tensile strength, N/5 cm @ 23+2 °C Longitudinal Transverse	650 (13 KN/m) 500 (10 KN/m)	ASTM D 5147
6.	Tensile strength, N/5 cm @ -18+2 °C Longitudinal Transverse	750 (15 KN/m) 625 (12.5 KN/m)	ASTM D 5147
7.	Elongation, % @ 23+2 °C Longitudinal Transverse	40 45	ASTM D 5147
8.	Elongation, % @ -18+2 °C Longitudinal Transverse	21 22	ASTM D 5147
9.	Load strain product, @ 25+2 °C Longitudinal Transverse	26,000 22,500	CGSB-37-GP-56M
10.	Load strain product, @ -18+2 °C Longitudinal Transverse	15,750 13,750	CGSB-37-GP-56M
11.	Lap joint strength, N/5 cm Longitudinal Transverse	Same as membrane	CGSB-37-GP-56M UEAtc
12.	Tear resistance, N Longitudinal Transverse	350 350	ASTM D 5147
13.	Puncture resistance, N Static indentation Dynamic indentation	800 L3 I3	ASTM E 154 UEAtc 5.1.9. UEAtc 5.1.10
14.	Water absorption, % Wt @ 23°C / 24 hrs.	<0.40	ASTM D 5147
15.	Water vapour transmission, g/m ² /24 hrs.	<0.35	ASTM E 96 procedure E 37.8 °C at 90% RH
16.	Dimensional stability, % Longitudinal Transverse	+ 0.5 + 0.5	ASTM D 5147
17.	Resistance to leakage at joints	Pass	UEAtc
18.	Resistance to aging & U.V. (Weather-O-meter 2000, hrs)	No change greater than 20% of the original values	ASTM G53 UNI 8202

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.