

# PREMIERFLEX-2000

## SBS Modified Waterproofing Membrane

### DESCRIPTION

BITUMAT PREMIERFLEX-2000 GL is an SBS modified bitumen waterproofing membrane reinforced with rotproof, dimensionally stable 50/60 gms/m<sup>2</sup> glassfibre matt. The combination gives proven waterproofing qualities of bitumen combined with strength and excellent resistance to weathering, and ease of application.

### USES

BITUMAT PREMIERFLEX-2000 GL is a general purpose waterproofing membrane, excellent as a part of a multi-layer system. When surfaced with granular slates, BITUMAT PREMIERFLEX-2000 GL can also be applied for underground and planters, flower / shrub beds, etc applications. Suitable for moderately cold or hot climates.

### OUTSTANDING FEATURES

- Good cold weather resistance
- Dimensionally stable
- Rot proof
- Inert base layer for multi-layer specifications.

### GENERAL DATA

Roll Length	:	10 Mt.
Roll Width	:	1 Mt.
Thickness	:	3, 4, 5 MM
Reinforcement	:	50/60 gms/m <sup>2</sup> glassfibre matt

### PACKAGING

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

### FINISHES

BITUMAT PREMIERFLEX-2000 GL is available in two basic finishes:

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

### QUALITY CONTROL

In addition to stringent regular tests by BITUMAT Laboratory, our products are tested periodically by SOCOTEC.

### STANDARDS

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

1. The American Society for Testing & Material ASTM D 6163 Type 1.
2. UEAtc ( European Union of Technical Agreement).
3. MOAT 31 - 1984 and MOAT 30 - 1984.

### INSTALLATION

#### TOOLS REQUIRED :

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

### APPLICATION

BITUMAT PREMIERFLEX-2000 GL 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 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 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 relevant *BITUMAT Systems Design and Installation Manual*.

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### TECHNICAL DATA

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	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.	Reinforcement	50/60 gm/m <sup>2</sup> nonwoven glassfiber	
6.	Tensile strength, N/5 cm @ 23°C+2 Longitudinal Transverse	350 (7KN/m) 300 (6KN/m)	ASTM D 5147
7.	Elongation, % @ 23°C+2 Longitudinal Transverse	3.5 3.5	ASTM D 5147
8.	Load strain product @ 23°C+2	1400 1050	CGSB-37-GP-56M
9.	Lap joint strength, N/5 cm Longitudinal Transverse	400 310	UEAtc CGSB-37-GP-56M
10.	Tear resistance, N @ 23°C+2 Longitudinal Transverse	160 170	ASTM D 5147
11.	Puncture Resistance, N Static indentation Dynamic indentation	L <sup>2</sup> I <sub>2</sub>	UEAtc 5.1.9 UEAtc 5.4.1
12.	Water absorption, % Wt	<0.40	ASTM D 5147
13.	Water Vapour Transmission, g/m <sup>2</sup> /24 hrs. Water impermeability of the membrane at the seamed joint	<0.35 Absolutely Impermeable	ASTM E 96 procedure E.37.8°C @ 90% RH.
14.	Resistance to aging & U.V. (Weather-O-Meter, 2000 hrs.) (Equals 10 yrs. exposure to the elements)	Pass	ASTM G 53 UNI 8202
15.	Dimensional Stability Longitudinal Transverse	+ 0.1 + 0.1	UEAtc; UNI 8202; BDA

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.