

TORCHBOND

Oxidized Bitumen Membrane with
Glassfibre Matt Reinforcement

DESCRIPTION

BITUMAT TORCHBOND is a prefabricated waterproofing membrane with a special multilayered design for outstanding pliability, tensile strength, workability and resistance to elements. The multilayered design consists of a glassfibre core coated on both sides with bitumen. The bitumen is a catalytically air blown asphalt. The glassfibre core gives the membrane good tensile strength and excellent dimensional stability.

BITUMAT TORCHBOND combines the proven waterproofing quality of bitumen and the sureness and simplicity of torch-on application. Properly installed, BITUMAT TORCHBOND forms an impervious, flexible and waterproof blanket which accepts normal structural movement without breaking or cracking.

USES

BITUMAT TORCHBOND membranes may be used for a wide range of waterproofing applications including roofs, reservoirs, basements, tunnels and car parks.

OUTSTANDING FEATURES

- Excellent cost performance ratio.
- Good resistance to fatigue and tear.
- Outstanding bondability & seam integrity.
- Impact and puncture resistant.
- Single layer installation reduces costs.

GENERAL DATA

Nominal Weight	: 3,4 or 5 kg/M ²
Nominal Thickness	: 3,4 or 5MM
Nominal Roll Size	: 1x10 Mt.
Re-inforcement	: 50-60 gms/M ² Nonwoven glassmat

FINISHES

Black finish with thin, heat fusible, polyethylene film on both sides.

STANDARDS AND CONTROL

BITUMAT TORCHBOND complies with the requirement and tolerance level of the following standards:

NF P 84314 Type 40 V V(France)
DIN 52131 V60 S4 (West Germany)

In addition to stringent regular tests by BITUMAT laboratory, periodic visits and Quality Control Tests are performed by SOCOTEC, Paris, France.

INSTALLATION TOOLS REQUIRED

1. Gas Torch
2. Knife
3. Trowel
4. Measuring Tape
5. Marking String
6. Gloves

APPLICATION

BITUMAT TORCHBOND 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

1. The underside of the membrane should be torched just enough to superficially melt the bitumen. Excessive heating may damage the reinforcement.
2. Overlaps should be reheated from the top and resealed with a trowel to ensure seam integrity.
3. 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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	<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
1.	Softening point, °C	110-115	ASTM D 36
2.	Penetration @ 25°C., dmm	20 - 35	ASTM D 5
3.	Low temperature flexibility, °C	+5 to 0	UEAtc
4.	Heat resistance, 2 hours, °C	70	UEAtc
5.	Tensile strength, N/5 cm Longitudinal Transverse	350 300	UEAtc ASTM D 146
6.	Elongation, % Longitudinal Transverse	3.5 3	UEAtc ASTM D 146
7.	Tear resistance, N Longitudinal Transverse	Min. 60 Min. 80	UEAtc

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.