



BITUMAT
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Bituflex

Oxidized Bitumen Flexible Protection Sheets

DESCRIPTION

Bituflex Protection Sheet is a uniquely formulated, prefabricated protection sheet with a special multi-layered design for superior pliability, tensile strength, puncture resistance and resistance to elements of the soil.

The multi-layered design consists of a 50/60 gm/m² nonwoven glassfibre mat core coated on both sides with plasticized bitumen. The heavy duty glassfibre mat core gives the Sheet high tensile strength, adequate elongation and superior lap joint strength.

Properly installed Bituflex Protection Sheets forms an impervious, tough protection for shielding the Waterproofing systems against physical damage. It remains pliable enough to withstand normal substrate movement.

USES

Bituflex Protection Sheets are ideal as a protection Sheet to protect delicate and thin waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it protects from the damage that can be caused normally specified backfill material.

OUTSTANDING FEATURES

- Total protection to waterproofing systems
- Very high resistance to impact and puncture
- Impermeable to water
- Outstanding bondability and seam integrity
- Bio non-degradable
- Excellent resistance to the elements of soil
- Flexible to install especially when protrusions are there.
- Flexibility at low temperatures
- Stability at high temperatures
- Simple, single-layer installation reduces labour and errors.
- Fortifies the existing waterproofing installation.
- Economical to install

GENERAL DATA

Bituflex Protection Sheet is a plasticized bitumen Sheet with 50/60 gm/m² glassfibre mat, black finish with a very thin polyethylene foil on both sides.

Nominal Thickness : 3, 3.2, 4 & 6 MM

Nominal Size : 1 x 2 Mtr sheet.

INSTALLATION

Bituflex Protection Sheets can be installed by torch welding or by adhesive or by using hot bitumen. If torching method is used, the under side of the Sheet should be torched just enough to superficially soften the bitumen. Excessive heating may damage the re-inforcement.

The sheets can be installed butting the sides together.

On vertical surfaces the material should be temporarily held in place or fixed with an adhesive such as Bituflash with the waterproofing membrane.



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TECHNICAL DATA

	Property	Typical Value	Test Method
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	UEAtc
4.	Heat resistance, 2 hours @ 120 °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	60 70	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.

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