



BITUMAT
بيتومات

DESCRIPTION

BITUMAT BITUTECT-III is a uniquely formulated, prefabricated protection membrane 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 membrane high tensile strength, elongation and superior lap joint strength.

Properly installed BITUMAT BITUTECT-III forms an impervious, tough protection for shielding the waterproofing systems against physical damage. It remains pliable enough to withstand normal substrate movement.

USES

BITUMAT BITUTECT-III membranes are ideal as a protection membrane 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

BITUTECT - III

Oxidized Bitumen Protection Membrane

GENERAL DATA

BITUMAT BITUTECT-III is a plasticized bitumen membrane with 50/60 gm/m² glassfibre mat, black finish with a very thin polyethylene foil on both sides.

Nominal Weight	: 4.8 kg/M ²
Nominal Thickness	: 4 MM
Nominal Roll Size	: 1x10 Mts.

INSTALLATION

BITUMAT BITUTECT-III can be installed by torch welding or by adhesive or by using hot bitumen. If torching method is used, the under side of the membrane should be torched just enough to superficially soften the bitumen. Excessive heating may damage the reinforcement.

The roll can be installed either by giving 5-10 cm overlaps or can be laid by 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.



NRCA MEMBER



ISO CERTIFIED



BITUMAT
بيتومات

BITUTECT - III

Oxidized Bitumen Protection Membrane

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.

MSD O5/2003



NRCA MEMBER



ISO CERTIFIED