



**BITUMAT**  
بيتومات

*The Power to Deal*



NRCA MEMBER



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## BITUTECT - II

Plasticized Bitumen Protection Membrane

### DESCRIPTION

BITUMAT BITUTECT-II is a uniquely formulated, prefabricated protecting membrane with a special multi-layered design for superior pliability, tensile strength, puncture resistance and resistance to natural elements.

The multi-layered design consists of heavy duty polyester mat core, saturated then coated on both sides with plasticized bitumen. The heavy duty polyester core gives the membrane high tensile strength, elongation, puncture resistance and superior lap joint strength.

Properly installed BITUMAT BITUTECT-II forms a durable, lightweight protection membrane for shielding the waterproofing from abrasive backfill, site damage, and re-inforcement fixing.

### USES

BITUMAT BITUTECT-II membranes are ideal as a protection membrane to protect waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it resists sharply angled aggregates from damaging the waterproofing system. The polyethylene sheet on both the sides also adds to the protection property of BITUMAT BITUTECT-II.

### OUTSTANDING FEATURES

- Total protection to waterproofing systems
- Very high resistance to impact and puncture
- Impermeable to water
- Outstanding bondability and seam integrity
- Flexibility at low temperatures
- Stability at high temperatures
- Simple, single-layer installation reduces labour and errors

### GENERAL DATA

BITUMAT BITUTECT-II is a plasticized bitumen membrane with a heavy duty nonwoven polyester re-inforcement, black finish with a very thin polyethylene foil on both sides.

Nominal Weight	: 4.8 kg/M <sup>2</sup>
Nominal Thickness	: 3,4 MM
Nominal Roll Size	: 1x10 Mts.

### INSTALLATION

BITUMAT BITUTECT-II 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 re-inforcement.

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.



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### TECHNICAL DATA

PTM05	30-E	R-00	00
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	<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
1.	Softening point, °C	155 ± 5	ASTM D 36
2.	Penetration @ 25°C., dmm	18 ± 5	ASTM D 5
3.	Tensile strength (min.), N/5 cm Longitudinal Transverse	500 500	UEAtc; ASTM D 5147 UEAtc; ASTM D 5147
4.	Elongation, % Longitudinal Transverse	45 45	UEAtc; ASTM D 5147
5.	Tear resistance, N Longitudinal Transverse	Min. 160 Min. 160	UEAtc
6.	Puncture resistance Static indentation Dynamic indentation	25 kg 14	UEAtc
7.	Resistance to chlorides, sulphides and sulphates	Good	-
8.	Resistance to alkaline or acidic environment	Good	-
9.	Puncture resistance	1000 N/32mm	ASTM E 154
10.	Water absorption	0.55	ASTM D 5147 Sect. 9
11.	Inorganic filler	>25%	In-House Test
12.	Density	1.22	ASTM D 2389-97

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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