

BITUMAT
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BITUMAT BITUSEAL 1500 CLX M

DESCRIPTION

BITUSEAL 1500 CLX M is a self-adhesive, extremely flexible waterproofing membrane. The thick elastic self-adhesive rubber / bitumen compound is backed with a strong, high density, multi-layer polyethylene film with outstanding physical properties making Bituseal 1500 CLX M as one of the most rugged self-adhesive membranes. The advanced carrier film is manufactured by cross laminating and chemically bonding the layer together.

USES

BITUSEAL 1500 CLX M is ideal for damp proofing, foundations, bridges, viaducts and other sub-grade applications.

When used with Bitumat water-stops cast into the concrete shell, it will provide a high performance, chemically resistant and fully continuous waterproofing / tanking system for basement and sub-structures.

OUTSTANDING FEATURES

- **Extremely flexible** with typically over 1200% coating elongation and is capable of bridging shrinkage cracks in the concrete. It's high elongation and self-healing properties enable it to accommodate minor settlement also.
- **The cross lamination** provides dimensional stability, high tear strength, puncture and impact resistance to the membrane.
- **Self-adhesive.**
- **Has excellent resistance** to aggressive soils and contaminated ground water.
- **Ease of application.**

GENERAL DATA

Nominal Roll Length	:	20m roll
Nominal Roll Width	:	1 mtr.
Nominal Weight	:	32 kg
Thickness	:	1.5mm

PACKAGING

Palletisation	16 rolls per pallet.
Storage	Store upright in a dry condition below 40°C.

QUALITY CONTROL

In addition to stringent regular tests by Bitumat laboratory, our products are tested periodically by independent laboratories.

INSTALLATION TOOLS REQUIRED:

Knife, Measuring tape, Marking string, Gloves etc.

APPLICATION

Measures should be taken to ensure that all surfaces are free from ice, frost or condensation. Installation is recommended between +4°C and +40°C.

All surfaces to receive Bituseal 1500 CLX M shall be smooth, regular, dry, free from nails and primed with one coat of Bitumat Primer applied by brush or roller at a rate of 10-12 sq m/liter depending on the porosity of the surface, and allowed to dry completely before the application of the Bitumat Bituseal 1500 CLX M.

Bitumat Bituseal 1500 CLX M shall be laid by peeling back the protective release paper and applying the adhesive face onto the prepared surface. The material should be brushed on to the surface to ensure good initial bond.

Adjacent rolls are aligned and overlapped 50mm minimum at side and ends and well rolled with a firm pressure using a Bitumat Roller to ensure complete adhesion and continuity between the layers. In cool conditions, the application of the gentle heat between layers by hot air gun or soft flame will assist promoting adhesion at lap joints. Care to be taken that no wrinkles are formed.

Bitumat Bituseal 1500 CLX M to extend about 300mm beyond line or retaining walls to allow continuity with the vertical application. Any punctures or damaged areas should be cleaned and patched using Bitumat Bituseal 1500 CLX M with 50mm laps all around.

Pipe entries maybe sealed prior to the application of Bitumat Bituseal 1500 CLX M.

Once the application of Bituseal is complete, care has to be taken to ensure proper protection against physical damage. Other tradesmen move around the site and the possibilities of physical damage are increased. It is recommended to apply a minimum 25-50mm screed as horizontal protection or Bitumat protection boards spot bonded. Vertical faces to be protected if required against damage from backfilling and fixing of reinforcement by using boards recommended by BITUMAT and spot bonded.



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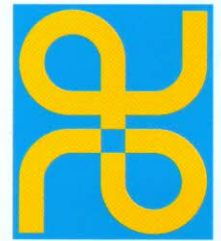
TECHNICAL DATA

MBM20	60-R	R-00	00
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	Property	Result	Typical Value
1.	Softening Point	ASTM D 36	110 ±5 deg °C
2.	Cone Penetration @ 25 deg °C	ASTM D 5	55 ±10 dmm
3.	Tensile Strength, L/T	ASTM D 638	44.0 N/mm ² 48.0 N/mm ²
4.	Elongation, Compound	ASTM D 638	1250%
5.	Tear Resistance	ASTM D 1004	Long 200 N/mm Trans 190 N/mm
6.	Adhesion to Primed Concrete	ASTM D 1000	1.85 N/mm
7.	Adhesion to Self	ASTM D 1000	1.8 N/mm
8.	Puncture Resistance	ASTM E 154	210 N 65mm
9.	Water Resistance	ASTM D 570	
		After 24 hours	0.12 %
		After 35 days	0.96 %
10.	Environmental Resistance	ASTM D 543	Conforms
11.	Moisture Vapor Transmission Rate	ASTM E 96	0.28g/m ² /24 hrs

Bitumat Bituseal 1500 CLX complies with the relevant sections of the following National Standards. BS 8102:1990 Building Regulation 1985 Clause C4.

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.



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