



BITUMAT
بيتومات

The Power to Perform

قوة في الأداء



NRCA MEMBER



ISO CERTIFIED

BITUSEAL 1200 HG

Self Adhesive Membrane with Solar Reflective
Cross Laminated High Density Polyethylene

DESCRIPTION

BITUMAT BITUSEAL 1200 HG is a self adhesive membrane faced with cross laminated high density solar reflective polyethylene on one side and siliconized release paper on the other.

The multi-layer design consists of polyester reinforcement which is impregnated and coated on both sides with a uniquely formulated elastomeric bitumen compound with high adhesive properties.

The top surface of cross laminated high density polyethylene provides high resistance to impact and reflects incident solar radiation. The release paper on the underside enables instant adhesion. These properties combined with the high tensile strength and tear strength provided by the nonwoven polyester reinforcement make BITUSEAL 1200 HG ideally suited for a wide variety of applications.

OUTSTANDING FEATURES

- Solar reflection
- Good adhesion
- Excellent impact resistance
- Excellent tensile strength and tear strength
- Ease of application

GENERAL DATA

Nominal roll length : 20 Mt.
Nominal roll width : 1Mt.
Thickness : Min. 1.8 mm

Reinforcement : 130 gsm nonwoven polyester
Fabric

Surface : Cross laminated high density
polyethylene / siliconised
release paper

QUALITY CONTROL

In addition to stringent regular tests carried out by Bitumat laboratory, periodic visits and quality tests are performed by:

- SOCOTEC, Paris, France
- MASENCO, Hurst, Texas, U.S.A.

INSTALLATION

TOOLS REQUIRED:

1. Knife
2. Measuring Tape
3. Small roller
4. Marking String

APPLICATION

The surface to receive BITUMAT BITUSEAL 1200 HG should be smooth and dry and should be free from dust and dirt. The surface should be primed thoroughly with a concrete primer.

BITUMAT BITUSEAL 1200 HG is installed by progressively peeling off the release paper and unrolling the membrane along with it. The membrane, particularly at the overlaps, should be firmly pressed down to ensure a good seal.

COVERAGE RATE

For flat areas : 1.13 M²/M² per layer

For 30 cm. girth
Flashing : 0.35 M²/Metre Length

Average
Wastage : 3-5%



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TECHNICAL DATA

SI No.	Property	Specification	Method
1.	Softening point, °C	155	ASTM D 36
2a.	Tensile strength, N/5 cm. Longitudinal Transverse	700 500	UEAtc UEAtc
2b.	Tensile strength, psi. Longitudinal Transverse	1114 714	ASTM D 412 ASTM D 412
3.	Elongation of compound, %	>2000	ASTM D 412 DIE C
4.	Penetration, dmm @ 25°C	80	ASTM D 5
5.	Flexibility over 20 mm mandrel	25° C No crack	ASTM D 146
6.	Puncture resistance, N	900	ASTM E 154
7.	Crack bridging	Pass	ASTM L 836
8.	Water vapour permeability g/m ² /24 hours	0.11	ASTM E 96
9.	Adhesion strength, kg/2 cm. 180 Deg. Peel @ 23°C	8.5	ASTM D 1000
10.	Lap joint strength N, Longitudinal Transverse	650 450	UEAtc UEAtc
11.	Tear resistance, KN/m Longitudinal Transverse	95 80	ASTM D 624 ASTM D 624

The information given in this Technical Sheet is to the best of our knowledge based on laboratory test and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the product itself.

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