



BITUMAT
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The Power to Perform

قوة في الأداء



NRCA MEMBER



ISO CERTIFIED

ELASTIGARD - H

Rubberized Asphalt Roof Coating

DESCRIPTION

BITUMAT ELASTIGARD-H is a superior, quality, liquid, hot applied rubber modified bitumen coating, reinforced with mineral stabilizers, gelling agent and special additives to prevent degradation due to oxidation, ozone and UV. It also has special additives for better adhesion.

USES

BITUMAT ELASTIGARD-H elastomeric coating is ideal for roofing work where there may be thermal and structural expansion and contraction of the roof membrane, deck or structure due to sudden temperature changes, foundation shifting, deck deflection, absence or working deck expansion joints, etc.

Recommended for maintenance, and repair of existing roofs, construction of new polyester reinforced built-up roofs, cap sheeting over existing roof and waterproofing of concrete walls, floors, bridges or any other surface requiring waterproofing or protection with an elastic, flexible coating.

It is also recommended as a coating / adhesive for the application of Bitumat Premierflex

OUTSTANDING FEATURES

- BITUMAT ELASTIGARD-H is a highly elastic product, and sets to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique additives used in compounding it.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and/or separation, a longer life.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproofing impervious blanket.
- Single component, hot applied. Eliminates the errors of two components and unpredictability of moisture cured single component coatings.

APPLICATION

The surface must be thoroughly cleaned and should be free of dirt, gravel, dust and oil. The concrete should be dry and smooth.

When applying directly over concrete or old, dry, asphalt, prime first a BITUMAT's primer.

When using as a top coat to protect and rejuvenate existing smooth asphalt roofs, first repair all blisters, cracks, split seams and flashings with BITUMAT ELASTIFLASH.

The coating is heated to about 195°C in oil heated jacketed boiler. Overheating or localized heating must be avoided. Keep the molten coating mixed while heating. When used as an adhesive for Premierflex membrane, the membrane is rolled into the hot molten Elastigard-H.

COVERAGE RATES

Over smooth asphalt or modified bitumen	: 0.80-1.20 Kg/M ²
Over gravel covered asphalt	: 1.20-1.40 Kg/M ²
Over concrete	: 1.20-1.40 Kg/M ²
Built-roof or re-roofing per coat	: 1.30-1.40 K/M ²

STANDARDS

Exceeds the performance requirements of ASTM D 4479.

PACKING

45 g Kegs

HEALTH & SAFETY

1. Fire - Non-flammable, flash point 200°C. Avoid heating above flash point as it could ignite.
2. Skin - It could cause severe burn when hot. If contact occurs, immediately cool affected area with cold water. It is recommended that a bucket of ice water be kept nearby.
3. Eyes-If contact occurs, immediately cool with cold water, then seek medical attention.
4. Protective clothing- Water heavy leather / cotton gloves, long sleeve shirt, shoe and long trousers, eye goggles and face mask.



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TECHNICAL DATA

	Property	Typical Value	Test Method
1	Density, at 25°C., Kg/liter	1.0 - 1.02	ASTM D
2	Dry film thickness, 1 Kg/M ² , mm	1mm	-
3	Colour	Black	-
4	Cold temperature pliability at -20°C	No cracking or chipping	-
5	Resistance to heat at 60°C	No sagging or blistering greater than 6 mm	-
6	Adhesion to wet surfaces	Excellent	ASTM D 3409
7	Adhesion to dry surfaces	Excellent	ASTM D 3409
8	Resistance to Sunlight (UV) (Weather-O-Meter, 2000 Hrs)	No Erosion cracking or peeling	ASTM G 53
9	Elongation, %	250 (min.)	ASTM D 412
10	Resistance to mild acids and alkalies	Good	Immersion
11	Service temperature, °C	0-90	-
12	Non volatile, % Wt.	100	ASTM D 4479
13	Special additives, anti-oxidants Ozone inhibitors etc., % Wt.	1.2	-

The information given in this Technical Data Sheet is given 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.

THIS PUBLICATION AUTOMATICALLY SUPERSEDES ALL PREVIOUS PUBLICATIONS RELATING TO THIS PRODUCT.

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