



BITUMAT
بيتومات

The Power to Perform

قوة في الأداء



NRCA MEMBER



ISO CERTIFIED

ELASTIGARD

Rubberized Asphalt Roof Coating

DESCRIPTION

BITUMAT ELASTIGARD is a superior, quality, liquid, cold 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 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 of working deck expansion points, 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.

OUTSTANDING FEATURES

- BITUMAT ELASTIGARD is a highly elastic product, and cures 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. It does not crack.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior wetting and adhesion properties ensure durable bond and resistant to peeling, chipping, separation and a longer life.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.
- Single component, cold applied, requiring no mixing or heating; saves labour costs.

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 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 applied straight from the container using a standard roofing broom, brush, squeegee or airless spray equipment at the recommended coverage rates.

CLEANING

Tools : Clean with kerosene
Hands : Use a hand cleaner or kerosene followed by soap and water.

COVERAGE RATES

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

STANDARDS

Exceeds the performance requirements of ASTM-D-4479.

PACKING

20-litre pails and 200-litre drums.

HEALTH & SAFETY

Flammable; contains petroleum distillate. Keep away from open fire, sparks or other ignition sources. Wear protective clothing, gloves and goggles.

1. Fire - Flammable when wet, flash point 40°C.
2. Skin - Avoid repeated or prolonged contact; if contact occurs remove with hand cleaner that removes oil or grease, then clean with soap and water.
3. Eyes - Contact could cause irritation; if contact occurs flush with clean water.
4. Inhalation - Can cause dizziness. Remove to fresh air and if breathing difficulty persists, administer oxygen.



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TECHNICAL DATA

CTG04	50-E	R-00	00
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	<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
1	Density, at 25°C., Kg/liter	1.01 - 1.03	ASTM-D-70
2	*Viscosity @ 25°C., cps	12,000 - 30,000 depending on grade	Brookfield
3	Dry film thickness, 1 Liter//M ² , mm	0.6	-
4	Drying time to touch, at 25°C, Hr	6	-
5	Drying time, through, at 25°C, Hr	48, at the recommended coverage rate	-
6	Colour	Black	-
7	Cold temperature pliability at -20°C	No cracking or chipping	ASTM-D-4479
8	Resistance to heat at 60°C	No sagging or blistering greater than 6mm	ASTM-D-4479
9	Adhesion to wet surfaces	Excellent	ASTM-D-3409
10	Adhesion to dry surfaces	Excellent	ASTM-D-3409
11	Resistance to Sunlight (UV) (Weather-O-Meter, 2000 Hrs)	No, erosion, cracking or peeling	ASTM-G-53
12	Elongation of cured film, %	250 (min.)	ASTM-D-412
13	Resistance to mild acids and alkalies	Good	Immersion
14	Service temperature, °C	0 to 90	-
15	Resistance to solvents	Poor	-
16	Non volatile, % Wt.	69-74	ASTM-D-4479
17	Volatile, % Wt.	26-31	ASTM-D-4479
18	Bitumen content, % Wt.	52-61	ASTM-D-4
19	Mineral stabilizers and fibers, % Wt.	13-17	ASTM-D-4479
20	Special additives, anti-oxidants Ozone inhibitors etc., % Wt.	1.2	-

* Available in winter and summer grades. Specify winter grade for application at 25°C or below and for spray application; summer grade at temperature greater than 25°C.

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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