

PLASTOMASTER



APP Modified Torch applied Bituminous Membrane

The Product

Plastomaster is an APP modified bituminous membrane with Premium coating compound made by Superior Polymer additives. This multilayered membrane consists of Non –Woven Polyester, both sides coated with a uniquely formulated polymer modified bituminous compound. This coating withstands expansion-contraction cycles occurring on the applied membrane on the roof.

Standard Re-inforcement of Plastomaster is **200g/m² Polyester mat** and obtainable with 180&160g/m² re-inforcement.

Features

- Superb Tensile Strength and Elongation
- Superior compound cold flexibility
- Exceptional tear resistance.
- Excellent Impact strength and puncture resistance and heat stability
- Outstanding resistance to aging.
- Resistance towards salts and water-borne chemicals.
- High bonding ability and seam integrity.

Uses

Plastomaster membrane is used as waterproofing/damp proofing of roof deck, slabs, foundations, waste-water canal lining, sewage tank lining and re-roofing in existing system..Etc.

Standard Roll size : **1x10 Meter**
Nominal membrane thickness: **3, 4, 5 mm**

Surfaces

1. Top/Bottom: Polyethylene Foil
2. Top: Silica Sand or Slate, Bottom: PE foil

Application

Plastomaster can be installed loose laid where overlaps are only bonded or fully bonded to the substrate by torch welding method. The substrate must be clean, dry and free from oil. A single coat of primer should be applied on the surface of substrate and allowed to dry thoroughly, before application. The rolls should be positioned correctly with an overlap 10cm for adjacent roll and end lap of 15cm to be maintained. Bottom of the membrane should be torched just enough superficially melt the compound, roll forward and press firmly against the substrate to bond well. Excessive heating should be avoided. Overlaps should be reheated from the top and sealed with a round tipped trowel to ensure watertight seam.

Storage & Handling

Plastomaster Rolls should be kept in upright position in a flat, dry, properly ventilated and sheltered storage area. Pallets are should not be stacked on top of each other.

Health and Safety

Precaution should be taken by wearing goggles, safety shoes, leather gloves...Etc, at the time of application.

Fire extinguishers should be accessible at the construction site.

Sl. no	Properties	Specified value	Test Method
1.	Re-inforcement wt. gm/m ²	200	-----
2.	Softening point of the compound, °c	≥155	UEatc, ASTM D36
3.	Penetration @25 °c, dmm	19±6	UEatc, ASTM D5
4.	Cold Flexibility ,°c	-6 to -10	ASTM D5147
5.	Thermal resistance of coating compound @125°c,2hrs	No flow	ASTM D5147
6.	Tensile Strength @25°c,N/5cm Longitudinal Transversal	1050 800	UEatc, ASTM D5147
7.	Elongation @25°c,% Longitudinal Transversal	45 50	UEatc, ASTM D5147
8.	Load-strain @23°c Longitudinal Transversal	47,250 40,000	CGSB-37-GP-56M
9.	Tear Resistance, N Longitudinal Transversal	600 500	ASTM D5147, ASTM D4073
10.	Tear Resistance, N Longitudinal Transversal	200 210	UEatc
11.	Lap joint strength, N/5cm Longitudinal Transversal	≥1050 ≥800	UEatc
12.	Water absorption@23°c,24hrs	≤0.20	ASTM D5147
13.	Water vapor transmission/m ² ,24hrs	≤0.24	ASTM E96
14.	Puncture resistance Static Dynamic	L4 I4	UEatc
15.	Dimensional Stability Longitudinal,% Transversal, %	Less than 0.5 More than0.5	ASTM D5147
16.	Aging resistance	Pass	UEatc
17.	Leaking Resistance at joints	Pass	UEatc

Tolerance level 5-20% as per ASTM/UEatc Standard is applicable on tested values from specified values.

Manufactured by:

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