

ELASTOFLEXO



SBS Modified Torch applied Bituminous Membrane

The Product

Elastoflexo is a special; SBS modified torch-on bituminous membrane. The multilayered membrane consists of non-woven polyester, both sides coated with elastomeric rubber modified bituminous compound. This coating will provide stability in various climatic conditions.

Standard Re-inforcement of Elastoflexo is **160g/m² Polyester mat**, also obtainable with 180&200g/m² carriers.

Features

- Positive Fence to Water and Dampness.
- High Tensile Strength and Elongation
- Good Tear resistance.
- Good Impact strength and Puncture Resistance.
- High Compound Flexibility.
- Resistance to Aging.
- Resistance towards Salts and Water-borne chemicals.
- Excellent Adhesion and Bonding ability.

Uses

Elastoflexo membrane is suitable as single layer or multilayer roofing system, roof decks, terraces, bath rooms, slabs, foundations, waste-water canal lining, sewage tank lining, basement, swimming pool, substructure water proofing in deep foundations occurring high hydrostatic pressure...Etc.

Standard Roll Size : **1x10 Meter**

Nominal Membrane Thickness: **3, 4, 5 mm**

Surfaces

1. Top/Bottom: Polyethylene Foil
2. Top : Slate flakes
Bottom : PE Foil

Application

Elastoflexo 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, PrimerD41 should be applied on the surface of substrate and permitted 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 sufficient apparently soften the compound, roll forward and force down 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

Elastoflexo 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	160	-----
2.	Softening point of the compound, °c	≥115	UEatc, ASTM D36
3.	Penetration @25 °c, dmm	35±5	UEatc, ASTM D5
4.	Cold flexibility , °c	-8 to -10	ASTM D5147
5.	Thermal resistance of coating compound @90°c, 2hrs	No flow	ASTM D5147
6.	Tensile Strength @25°c, N/5cm		
	Longitudinal	700	UEatc, ASTM D5147
Transversal	550		
7.	Elongation @25°c, %		
	Longitudinal	40	UEatc, ASTM D5147
Transversal	45		
8.	Load-strain @23°c		
	Longitudinal	28,000	CGSB-37-GP-56M
Transversal	24,750		
9.	Tear Resistance		
	Longitudinal	400	ASTM D5147, ASTM D4073
Transversal	350		
10.	Tear Resistance		
	Longitudinal	200	UEatc
Transversal	200		
11.	Lap joint strength, N/5cm		
	Longitudinal	≥700	UEatc
Transversal	≥550		
12.	Water absorption @23°c, 24hrs	≤0.20	ASTM D5147
13.	Water vapor transmission , g/m ² , 24hrs	≤0.24	ASTM E96
14.	Puncture resistance		
	Static	L3	UEatc
Dynamic	I3		
15.	Dimensional Stability		
	Longitudinal, %	Less than 0.5	ASTM D5147
Transversal, %	More than 0.5		
16.	Aging resistance	Conform	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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