

Stratigraphy

1. Silicon release flm
2. Waterproofng compound
3. Reinforced polyester single-strand reinforced polyester
4. Waterproofng compound
5. PE finish

DESCRIPTION

Elastoplastomeric polymer bitumen memberane, compound in distilled bitumen modified with high molecular weight polymer, reinforced with nonwoven, high performance, spunbond polyester fabric.

PRESERVATION

Products must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures.

The shelf life of the product is up to 12 months if stored as the waring. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

FIELD OF APPLICATION

- Top layer, under heavy protection, in a multy-layer, heavy traffic, waterproofing system (bridges and viaducts too) top layer in a multy-layer waterproofing system
- Base or intermediate layer in amulty-layer waterproofing system
- Below grade foundations, slabs and walls.

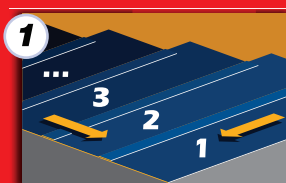
INSTRUCTION FOR USE

1. Surface preparation

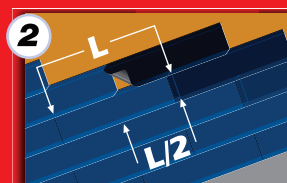
- The surface of concrete substrate shall be smoothed with a steel trowels and shall be removed any loosed aggregates sharp projection sand others likely to damage the membrane. Smooth transition should be made at wall/parapet/floor slab junctions usingsand/cement mortar. The surface must be cleaned by brush and keep clean condition during waterproofing application.

2. Primer application

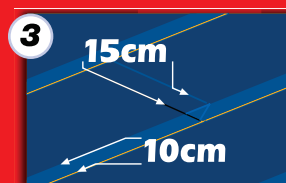
- Apply primer with a paint brush or roller thinly and uniformly. Primer should be applied onlythe area to be covered with membranein working day. Membrane can be covered 2 ~ 3 hours after priming in normal weather and concrete surface conditions.



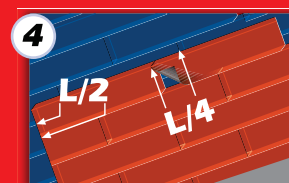
1 Spread the film roll in a straight line



2 Addheat memberane



3 Stacked edges



4 Apply the membrane to the surface face tilt or stand

Note

3. Membrane application

To apply straightly the membrane on the concrete surface, unroll and align the roll with a straight line, and reroll from both edges toward center of the roll. During each stage, must be overlap the next layer by at least 10cm by width.

The membrane roll back without changing the orientation. The rolled membrane is slowly unrolled again while it's surface is lightly heated, transversally. By means of gas torch, thus causing surface melting and subsequent adhesion to the surface. Add heat the bottom of the membrane steadily and evenly with gas torch till the back side film is melted to flow. Then stick the membrane to the surface with pressure. End joints should be made with a minimum of 10cm overlap. On vertical or inclined surface, the membrane shall be laid from the lowest level to upwards.

TECHNICAL DATA SHEET

PRODUCT	LEMAX 4MM PE - APP				
Compound	BPP	(bitumen modified plastomeric polymers)			
Reinforcement	Non woven polyester strand				
CHARACTERISTICS	EN DRC	UNIT	VALUE	TOL	
Visible Defects	EN 1850-1	pass	
Thickness	EN 1849-1	mm	4,00	-0,2	
Areaic Mass	EN 1849-1	kg/m ²		npd	
Weight and Length	EN 1848-1	m	1,00	10	-1%
Straightness	EN 1848-1	mm	max 20		pass
Max Tensile Force (L/T)	EN 12311-1	N/5cm	1200	1000	-20%
Elongation (L/T)	EN 12311-1	%	50	50	-15 abs
Resistance to Tearing (L/T)	EN 12310-1	N/5cm	200	200	pass
Resistance to Static Loading	EN 12730-A	Kg	25		pass
Resistance to Impact	EN 12691	mm	1750		pass
Joint Strength(L/T)	EN 12317-1	N/5cm	900	800	pass
Peel Resistance of Joint(L/T)	EN 12316-1	N/5cm			npd
Pliability (Cold Flex)	EN 1109	°C	-10		pass
Pliability(Cold Flex) –Aged	EN 1296	°C			npd
U.V Artificial Ageing(Visible Defects)	EN 1297	pass	
Watertightness	EN 1928	kPa	60	
Water Vapour Permeability	EN 1931	μ x 1000	20 (default)		Npd
Water Vapour Permeability (Aged)	EN 1296	μ x 1000			npd
Form Stability(New/Aged)	EN 1110	°C	120	120	pass
Dimensional Stability(L/T)	EN 1107-1	%	-0,25	0,15	pass
Root Resistance	EN 13948			npd
External Fire Performance	EN 13501-5	Class	F(roof)		npd
Reaction to Fire	EN 13501-1	Class	F		npd
Granule Adhesion	EN 12039	%			npd
Upper Finishing	anti-aderent PE				
Lower Finishing	thermo-fusible polyethylene film				
Rolls x pallet/Packaging	24	With shrinkable pe, on pallets			

Size & Packing

	P 4.0 mm
Roll size [m]	10x1
Roll number/pallet	24
Area/pallet [m]	240

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