



Stratigraphy

1. Silicon release film
2. Self-adhesive waterproofing compound
3. Compatibility compound
4. Continuous single strand composite woven non woven polyester reinforcement
5. Compatibility compound
6. Self-adhesive waterproofing compound
7. Sand finish

Description

The bitumen-polymer LEMAX SELF-ADHESIVE membranes are the arrival point of the latest generation of membranes denominated "composite". These membranes are thus defined because thanks to a production technology developed in 1995, Lemax can produce materials with differentiated waterproofing mass, which allow the optimal utilization of each components properties, satisfying the different requirements. LEMAX SELF-ADHESIVE has a continuous single strand composite woven non woven polyester reinforcement with high mechanical characteristics. LEMAX SELF-ADHESIVE is an innovative self-adhesive with increased adhesiveness, enhanced resistance of the adhesion to aging and the cold (the product maintain good adhesion even at low temperatures).

The LEMAX SELF-ADHESIVE membranes are capable of resolving specific application and functional requirements and present numerous and important advantages, such as ease of application with consequential savings on time and the possibility to apply the material on surfaces which are not suitable to open flame. Therefore LEMAX SELF-ADHESIVE is insuperable in the waterproofing of wood structures, insulation panels which are heat sensitive, panel decks and refurbishment of historical roofs.

Application

Suitable for use with flat or sloping roofs, foundations, partition walls, nails, balconies, bridges, viaducts, tunnels, pools, swimming pools

Application

1. Apply 0.2-0.4 kg/m² of bituminous primer by roller or airless spray gun. This step is not necessary when wooden supports are involved.

2. Position the rolls to be laid dry on the laying surface, overlapping one edge over another by 10 cm at the sides and by 15 cm at the heads. (Drawing 1)

3. Remove the release film from the lower face that is divided in half along its length in one or more panels. It is always suggested to mechanically fix head & side laps. (Drawing 2)

4. Roll the surfaces and especially the joints in order to promote the adhesion of the membrane.

5. Position eventual roof tiles, shingle, etc. (Drawing 3)



Recommendations

- The LEMAX SELF-ADHESIVE membranes are to be applied on dry clean surfaces which must be treated with a bituminous primer, excluded are wooden roofs except OSB boards.
- The side & head laps must be respectively of 10 & 15 cm's.
- When applying on verticals, the apex of the membrane must be mechanically fixed with a proper flashing; where possible it is advisable to go up and over the vertical and on to the horizontal surface.
- Avoid storing the product on the roof with temperatures lower than +10°C or higher than +40°C if not for the time necessary for installation.
- With temperatures below +10°C it is necessary to apply the product using particular precautions:
 1. Store the rolls in an upright position in the original packaging, indoors and in dry and warm areas.
 2. Transport the rolls to the place of application only at the time of use
- 3. The ideal application occurs at temperatures above +10°C, however it is possible to apply the product below +5°C bringing the rolls to the ideal temperature with a leister or gas torch.
- The application surface must not have any depressions to avoid water ponding, and must have a slope which is sufficient enough to guarantee the run off of rain water (min. 1.5 %).
- Program periodical roof inspections to remove debris, mud, plants, etc. and to keep under control the waterproofing as well as accessory details (drain outlets, TV antennas, air conditioning, etc.).
- In the eventuality in which the element to be waterproofed presents residual humidity (ex. refurbishment, application after heavy rains) it is necessary to foresee the use of air vents, which will be positioned in a way to allow for the evacuation of the humidity.
- For information concerning storage and application of Laribit membranes, please refer to the "Installation manual".

Technical data

Technical Characteristics	Measure Units	Reference Norm	P	Tolerance
Type of reinforcement			Single strand polyester	
Upper face finish			PE film	
Lower face finish			Silicon release film	
Length	m	EN 1848-1	15 -1%	
Width	m	EN 1848-1	1 -1%	
Thickness	mm	EN 1849-1	1,5 2	±5%
Cold flexibility	°C	EN 1109	-15	
Flow resistance	°C	EN 1110	NPD	
Tensile strength L / T	N / 5cm	EN 12311-1	500/300	-20%
Elongation at break L / T	%	EN 12311-1	20/20	-15
Tearing resistance L / T	N	EN 12310-1	140/140	-30%
Fire resistance		EN 13501-5	F Roof	
Fire reaction		EN 13501-1	F	
Watertightness	kPa	EN 1928	60	

Sizes & packing

	P 1,5 mm	P 2 mm
Rolls size [m]	20x1	15x1
Rolls per pallet	30	23
Square meters per pallet [m²]	600	345



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