



stratigraphy

1	Silicon release film
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3	Compatibility compound
4	Continuous single strand composite woven non woven polyester reinforcement
5	Compatibility compound
6	Self-adhesive waterproofing compound
7a	Polypropylene mat finish
7b	PE film finish
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8	Selvedge release film

Description

The bituminous LARIFLEX SELF-ADHESIVE membranes are the arrival point of the latest generation of membranes denominated "composite".

These membranes are so defined because thanks to new manufacturing technologies it is possible to produce materials with differentiated waterproofing mass, which allow the optimal utilization of each components properties, satisfying the different requirements.

The production process avails itself of three different compound types, manufactured in separate dissolvers and sent to the respective areas of application on the production line.

The first session allows the impregnation of the reinforcement which is a continuous single strand polyester using a particular compound suitable in saturating all its porosities, providing compatibility and promoting the elasticity or plasticity properties of the different applied compounds be they on the top or bottom surface.

During the second session a different compound is applied on the top surface depending on the destination of use of the membrane.

During the third session a particular compound with excellent self adhesive properties is applied on the lower surface, the thickness of which is calibrated.

The LARIFLEX 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 LARIFLEX SELF-ADHESIVE is insuperable in the waterproofing of wood structures, insulation panels which are heat sensitive, panel decks and refurbishment of historical roofs.

Furthermore LARIFLEX SELF-ADHESIVE can be used and allows the waterproofing of particular roof details (ex. bandaging of plastic tubes, etc.) and the possibility to also apply with the traditional application method of open flame or hot air, obtaining an exceptional level of adhesion.

LARIFLEX SELF-ADHESIVE guarantees a perfect level of adhesion to the application surface, providing the system with an excellent level of wind uplift resistance and allowing accidental infiltrations to be traced.

LARIFLEX SELF-ADHESIVE has a continuous single strand composite woven non woven polyester reinforcement with high mechanical characteristics. The lower face of LARIFLEX SELF-ADHESIVE is protected with a removable silicon release film.

The upper face is self protected with mineral slates which also reduce the absorption of heat; furthermore a removable side selvedge of 10 cm is foreseen.

In the P version the upper face is protected with a polyethylene film or, if requested, with a polypropylene mat.

Fields of use

LARIFLEX SELF-ADHESIVE with its innovative characteristics is indicated to waterproof a wide range of works, both civil and industrial.

LARIFLEX SELF-ADHESIVE shows its peculiarity in those applications where it is not suggestible to use open flame, for example on heat sensitive insulation panels (polystyrene), wooden roofs, metal decks and for all under roof shingle applications.

Fields of use



EN13707 Continuous roofs (Certificate n° 0958-CPR-2045/1)

N° LAYERS	METHOD OF APPLICATION							TYPE OF APPLICATION			TYPE						
	Single Layer	Double Layer	Multilayer	Torch	Hot Air	Mixed (Torch / Air)	Cold Bond Glue	Mechanical Fixing	Thermo Adhesive / Self Adhesive	Fully Bonded	Partially Bonded	Loose Laid	Complimentary Layer	Top Layer	Heavy Protection	Anti-root	Other Uses
LARIFLEX SELF-ADHESIVE P 2 MM	•	•	•						•	•			•				
LARIFLEX SELF-ADHESIVE PA 3.5 KG/M²		•	•						•	•			•				
LARIFLEX SELF-ADHESIVE PA 4.0 KG/M²		•	•						•	•			•				

EN13859-1 Under roof tile

LARIFLEX SELF-ADHESIVE PA 3.5 KG/M²	•	•	•						•	•				•			
LARIFLEX SELF-ADHESIVE PA 4.0 KG/M²	•	•	•						•	•				•			

The waterproofing membrane based on distilled bitumen and polymers, as shown in this data sheet does not require the issue of a MSDS, because it does not contain dangerous substances. The information data sheet for the proper use of products is available.

Application

1. Apply 0.2-0.4 kg/m² of synthetic primer PRIMER SINT 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, making sure to remove the selvage release film. (Drawing 1)
3. Remove the release film from the lower face that is divided in half along its length in one or more panels, making sure to remove also the side selvage on the upper face. 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 suitable single or double battens for subsequent laying of the sealing element consisting of a discontinuous covering mantle (tiles, roof tiles, etc.) as required by the UNI 9460: 2008 standard - Discontinuous roofing for roofs. (Drawing 3)
6. In the event of high internal relative humidity, or the presence of humidity in the wooden deck application surface, to prevent the formation of condensation on the inner face of the adhesive membrane during the night, which may cause marks or stains over time in the ceiling of the rooms below, foresee the use of MONOBIT vapor separation and diffusion layer having a polypropylene film finish mechanically fixed to the support with broad-headed nails. The adhesive membrane is then applied over the vapor diffusion layer. (Drawing 4)



Lariflex Self-Adhesive

Recommendations

- The LARIFLEX SELF-ADHESIVE membranes are to be applied on dry clean surfaces which must be treated with a synthetic primer, excluded are wooden roofs except OSB boards.
- Self-adhesive membranes must not be applied on sanded or talced underlays. The granulometry of these upper surfaces creates a detaching effect that prevents the self-adhering properties from achieving a fully bonded installation.
- 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 the risk of ponding water, the slope must be at least 1.5% on concrete decks and 3% for steel or wooden ones, this to guarantee a proper run off of rainwater.**
- 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.
- Absolutely avoid the stacking of rolls and pallets for storage or transport to avoid possible deformations which may compromise a perfect installation. It is recommended to store the product at temperatures above 0°C.

Technical data

Technical Characteristics	Measure Units	Reference Norm	P	PA	Tolerance
Type of reinforcement			Single strand polyester		
Upper face finish			PE film or PPL mat	Mineral *	
Lower face finish			Silicon release film		
Length	m	EN 1848-1	15 -1%	10 -1%	
Width	m	EN 1848-1	1 -1%		
Thickness	mm	EN 1849-1	2		±5%
Mass	kg/m ²	EN 1849-1		3,5 4,0	±10%
Gold flexibility	°C	EN 1109	-25		
Flow resistance	°C	EN 1110	NPD		
Tensile strength L / T	N / 5 cm	EN 12311-1	400/300		
Elongation at break L / T	%	EN 12311-1	35/35		
Tearing resistance L / T	N	EN 12310-1	120/120		
Fire resistance		EN 13501-5	F ROOF		
Fire reaction		EN 13501-1	F		
Watertightness	kPa	EN 1928	60		

* Mineral self-protected products may undergo color tone variations due to the time and length of storage. Exposure to atmospheric conditions, after application, will tend to uniform the color after a few months. The change in color tone cannot therefore be contested and / or complained of as it is a natural phenomenon that the slate manufacturer himself cannot guarantee.

NPD = No Performance Declared in accordance with the EU Construction Products Directive.

Sizes & packing

	P 2 mm	PA 3,5 kg/m ²	PA 4,0 kg/m ²
Rolls size [m]	15x1	10x1	10x1
Rolls per pallet	30	30	27
Square meters per pallet [m ²]	450	300	270

Sizes & packing may vary depending on the type of transportation. The technical data given is based on average values obtained during production. We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

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