

Stratigraphy

- 1 PE film
- 2 R special formulation
- 3 Waterproofing mass
- 4 Single strand composite polyester reinforcement
- 5 Waterproofing mass
- 6 Mineral finish

Description

LARIX RE-ROOFING is a prefabricated composite waterproofing membrane with differentiated waterproofing masses, designed to renew old bituminous waterproofing membranes self-protected with mineral slates.

The upper face & intermediate compound is composed of distilled bitumen and elasto-plastomers reinforced with a woven non woven single strand polyester fabric, having excellent mechanical characteristics, dimensional stability and durability. The lower face compound is composed of distilled bitumen and special polymers which provide particular characteristics of adhesion & workability. A special compatibility waterproofing mass specifically conceived is used to bond the upper & lower compounds.

The waterproofing mass is obtained by the total homogenization of the distilled bitumen and polymers also of the polyolefin type with special additives; offering excellent characteristics of:

- resistance to U.V. radiation
- resistance to temperature change
- resistance to O3
- resistance to chemical corrosion (acids and salts)
- waterproof seal.

Finishing

LARIX RE-ROOFING has a self-protected natural mineral slate finish. A 10 cm side selvedge has been created without mineral slates to improve bonding of the overlaps.

The lower face is protected by a polyethylene burn off film which allows a continuous evaluation of the point of fusion of the waterproofing mass.

Types and areas of use

LARIX RE-ROOFING is specifically conceived to be used as a refurbishment layer over old bituminous membranes self protected with mineral slates, given it's excellent characteristics of workability and adhesion to the mineral granules.

- The membrane is usually applied by heating the bituminous blend using a gas burner or hot air guns in special cases.
- Always use the individual protection devices specified by law.
- Never use application by heating on heat-sensitive supports or insulation.
- Conduct regular maintenance on the roof in order to remove detritus, mud, grass, etc., and to keep the operation of the waterproofing system and accessories (drains, TV antennas, air-conditioning systems, etc.) under control.
- Whenever there is reason to believe that the element to be waterproofed has traces of residual humidity (e.g. during renovations of existing roof coverings, applications after abundant rainfall), vents should be positioned in such way as to permit its elimination.

For more information and instructions, we recommend consulting LARIBIT application manual, remembering that our Technical Support Service is always at your disposal to solve particular problems and provide the assistance necessary in using our waterproofing membranes to best advantage.

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
LARIX RE-ROOFING PA 5.0 KG/M²		•	•	•						•				•			
LARIX RE-ROOFING PA 5.5 KG/M²		•	•	•						•				•			

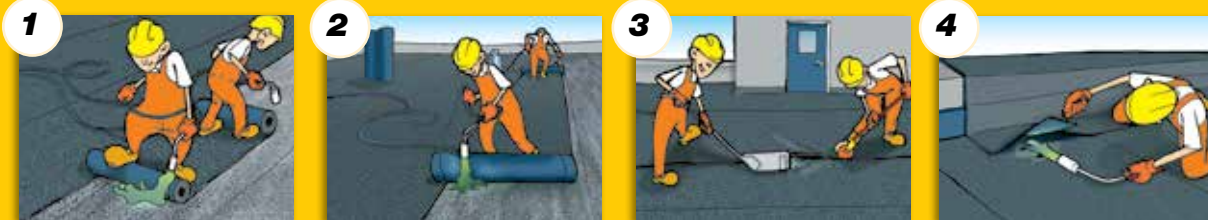
The waterproofing membrane based on distilled bitumen and polymers, as shown in this data sheet does not require the issue of a MSDS, because it does not contain dangerous substances. The information data sheet for the proper use of products is available.

Application

- Clean the application surface.
- Apply by gas or hot air torch a 25 cm strip along all the vertical up stands.
- Position the membrane always starting from the lowest point, in order to have all the overlaps with the slope.
- Apply and position the membranes staggered to avoid creating areas where the membrane overlap against the slope and in the direction of the drains.
- Cut the corners of the membrane which will be applied under the next sheet with a 45° angle.
- After having positioned the roll, re-roll the material for half of its length and begin application; repeat the same operation for the remaining half of the roll. (Draw. N.1)
- It is necessary to heat the entire surface, except the overlaps, of the lower face to obtain a full adhesion to the application surface.
- During the application by torch, the material needs to be heated to a point where the compound starts to flow in such a way that it fully saturates the application surface.

The melted flow of compound obtained by torching is the R mass. (Draw. N.2)

- Torch the side laps (10 cm) and head laps (15 cm) with a torch for overlaps. During this stage the overlaps should be pressed by using a roller (15 kg) from which a bead of compound should flow. Do not iron the overlaps. (Draw. N.3)
- Apply the vertical membrane sheet having the same characteristics of the waterproofing membrane and dimensions equal to the width of the roll, making sure that it overlaps the horizontal one by at least 10 cm, heating it with a gas torch and squeezing it with a trowel until a bead of compound appears from underneath. (Draw. N.4)
- The height of the vertical must be equivalent or superior to the finished surface by at least 15 cm.
- Verticals higher than 20 cm must be done with MT P+V 4 mm or MT PA 4,5 kg/m².



LARIX Re-Roofing

Recommendations

- The rolls are to be stored in an upright position, indoors in a dry and ventilated area, away from heat sources. 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.
- The application surface must be dry and clean.
- In situations of application on vertical surfaces superior to 2 meters or on very sloped substrates, apply suitable mechanical fixings to the head laps, after which they will be sealed when torching the head laps.
- The product must be applied at room temperatures of above + 5°C.
- Application must be suspended during inclement weather (excessive humidity, rain, etc.).
- The pallets supplied are suited only for normal warehouse movement and not for raising heavy loads to height.
- We recommend making correct and regular warehouse rotation.
- For information concerning storage and application of Laribit membranes, please refer to the "Installation manual".

Technical data

Technical Characteristics	Measure Units	Reference Norm	PA		Tolerance
Type of reinforcement			Single strand polyester		
Upper face finish			Mineral *		
Lower face finish			PE film		
Length	m	EN 1848-1	8 -1%		
Width	m	EN 1848-1	1 -1%		
Mass	kg/m ²	EN 1849-1	5,0	5,5	±10%
Cold flexibility	°C	EN 1109	-10		
Flow resistance	°C	EN 1110	120		
Flow resistance after artificial ageing	°C	EN 1296	NPD		-10°C
Shear resistance L / T	N / 5 cm	EN 12317-1	500/400	750/550	-20%
Tensile strength L / T	N / 5 cm	EN 12311-1	600/500	850/650	-20%
Elongation at break L / T	%	EN 12311-1	35/35	40/40	-15
Tearing resistance L / T	N	EN 12310-1	150/150	200/200	-30%
Static puncture resistance	kg	EN 12730	15	20	
Dynamic puncture resistance	mm	EN 12691	900	1250	
Fire resistance		EN 13501-5	F ROOF		
Fire reaction		EN 13501-1	F		
Impermeability after artificial ageing	kPa	EN 1296	60		
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

	PA 5,0 kg/m ²	PA 5,0 kg/m ²
Rolls size [m]	8x1	8x1
Rolls per pallet	25	23
Square meters per pallet [m ²]	200	184

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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