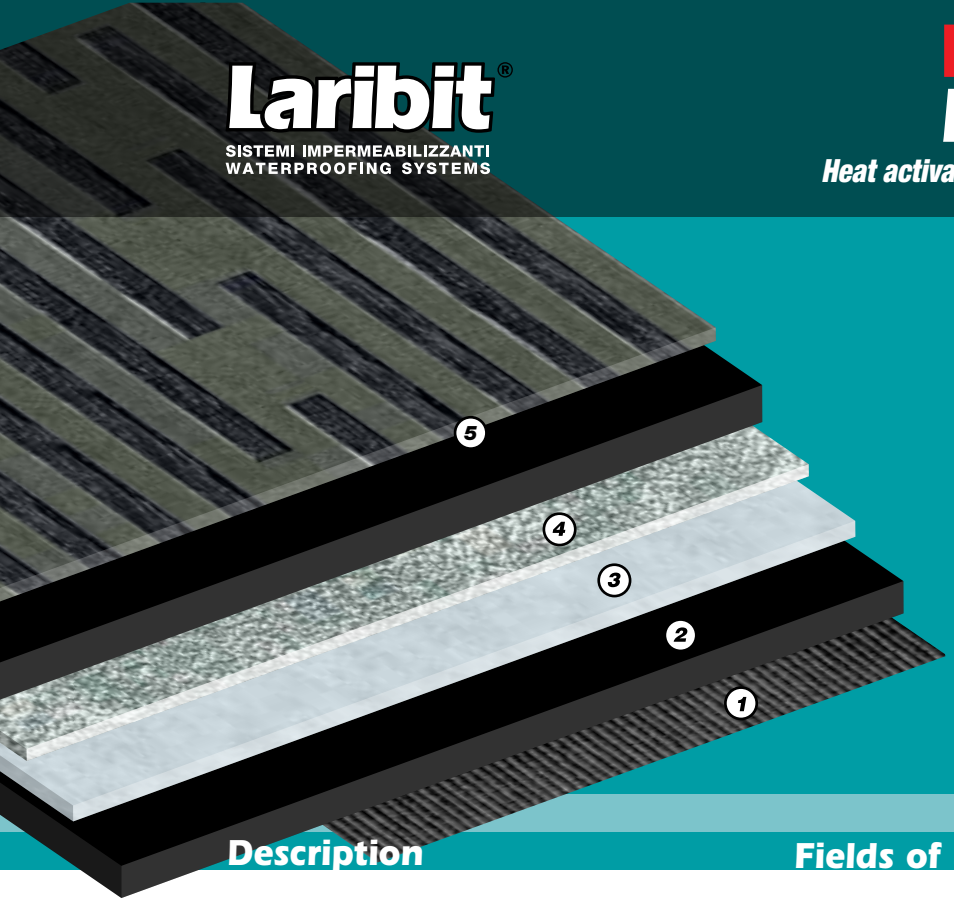
Laribit®
SISTEMI IMPERMEABILIZZANTI
WATERPROOFING SYSTEMS

LARIX Strip Vapour Barrier

Heat activated composite waterproofing membrane with functions of vapour barrier



stratigraphy	
1	Silicon release film
2	Waterproofing compound
3	Fiberglass reinforcement
4	Aluminium sheet
5	Heat activated bitumen compound in stripes separated by fine sand

Description

Pre-fabricated composite waterproofing membrane.
The compound is made of distilled bitumen and elastomers (SBS type), reinforced with fiberglass and aluminium metal sheet that allows to obtain a barrier against the passage of vapour.
The LARIX STRIP VAPOUR BARRIER membrane on the exposed side features a series of stripes formed by a special heat activated compound, separated by fine sand, which ensures a strong and durable adhesion to the insulating panels.
The advantages of the LARIX STRIP VAPOUR BARRIER are basically those aimed at avoiding the use of oxidized bitumen and cold bonding substances (mastic, polyurethane glues, etc.) for the application and adhesion of insulating panels.
The hot oxidized bitumen, in addition to being extremely dangerous (burns, fumes, etc.), loses in little time its adhesive capacity, exposing the covering to the known dangers due to the strength of persisting wind action and the deformations of the roof covering.
In addition, the stripes ensures perfect adhesion on the entire surface of the insulating panel.
In case of application on roofs with slopes higher than 15% or in a particularly windy area, it is necessary to integrate the bonding with suitable mechanical fasteners and/or strips inside in the stratigraphy.
Particularly suitable for high thickness panels and/or sloped.

Fields of use

After applying LARIX STRIP VAPOUR BARRIER, proceed with the application of the insulating panels by torching the striped surface with a propane gas torch or hot air gun.
The special strips made with heat activated compound will guarantee a good adhesion to the different types of insulating panels.
In case of application with mechanical fixing, when choosing the method of fixing the insulation of the roof system, applied on top of the vapour barrier, the following factors must be considered:

- type of insulation (characteristics of stability, compression, etc..),
- compatibility between the fixing, the insulation and the waterproofing membrane,
- the factor of possible wind uplift,
- the type of substrate.

Where application with mechanical fixing is required of the panels, these must be applied side by side making sure that they are also staggered and properly fixed to the LARIX STRIP VAPOUR BARRIER with suitable fixings to the type of substrate and of the correct length based on the thickness, these should be at least 10 cm from the edges and along the diagonals.
The total resistance of the fixing elements of the panel, to wind uplift (Wh), should in any case be superior to ≥400 N per fixing.
For the application of the insulation it is suggested to follow the indications of the manufacturer and eventual indications in the specification.
For further information and indications it is recommended to consult LARIBIT's technical literature.

Technical data sheet LARIX FORMULA

Fields of use

CE

EN13970 Vapour Barrier

	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 STRIP V.B. 3.5 MM	•	•	•	•					•	•			•				

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

- On cementitious and similar substrates apply by roller or airless synthetic primer PRIMER SINT.
- Position, without flame, the rolls on the application surface (Drawing 1)
- Provide for side & head laps respectively of 10 & 15 cm between the sheets.
- The height of the verticals must be equivalent to the thickness of the insulation panel plus 5 cm.
- Remove the silicon release film on the lower face of the membrane. (Drawing 2-3)
- The side laps (10 cm) and head laps (15 cm) will be heat welded with an appropriate torch; during this stage the overlaps should be pressed by using a roller (15 kg).
- With a torch or hot air gun burn the polyethylene film on the upper face of the membrane, having particular care in the heat activation of the strips on the upper face. (Drawing 4)
- Position the insulation panel over the heated area, simply apply pressure with the hands. (Drawing 5)

LARIX Strip V.B.

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 smooth, dry, and clean.
- The application surface must be previously treated with the appropriate synthetic primer.
- **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.**
- 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 sheet LARIX FORMULA

Technical data

Technical Characteristics	Measure Units	Reference Norm	V	Tolerance
Type of reinforcement			Fiberglass + Aluminium	
Upper face finish			PE film and fine sand	
Lower face finish			Silicon release film	
Length	m	EN 1848-1	8 -1%	
Width	m	EN 1848-1	1,08 -1%	
Thickness	mm	EN 1849-1	3,5 *	±5%
Cold flexibility	°C	EN 1109	NPD	
Flow resistance	°C	EN 1110	100	
Tensile strength L / T	N / 5 cm	EN 12311-1	450/350	-20%
Elongation at break L / T	%	EN 12311-1	2/2	-2
Tearing resistance L / T	N	EN 12310-1	100/100	-30%
Static puncture resistance	kg	EN 12730	5	
Dynamic puncture resistance	mm	EN 12691-B	500	
Dimensional stability	%	EN 1107-1	NPD	
Fire resistance		EN 13501-5	F ROOF	
Fire reaction		EN 13501-1	F	
Watertightness	kPa	EN 1928-B	60	
Water vapour permeability	μ	EN 1931	1500000	

* thickness measured on heat activated strip.
NPD = No Performance Declared in accordance with the EU Construction Products Directive.

Sizes & packing

	3,5 mm
Rolls size [m]	8x1,08
Rolls per pallet	25
Square meters per pallet [m²]	216

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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