



### stratigraphy

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| 1  | Silicon release film   |
| 2  | Thermal activated mass   |
| 3  | Continuous single strand composite woven non woven polyester reinforcement |
| 4  | Mass which promotes fast heat transmission                                 |
| 5a | Polypropylene mat finish   |
| 5b | Mineral finish   |
| 6  | Selvedge release film  |

## Description

LARIX THERMO-ADHESIVE is a composite prefabricated waterproofing membrane made with bitumen distillate and special synthetic polymers that give thermo-adhesive power to the waterproofing compound on the substrate.

The waterproofing compound on the upperside enables rapid heat transfer.

The thermo-adhesive waterproofing compound lets the product be laid cold and is **particularly indicated for applications on structures and supports where the use of direct flame is inadvisable.**

LARIX THERMO-ADHESIVE has a spunbond non-woven polyester fabric reinforcement with high mechanical characteristics.

The upper face of P version is protected by a polypropylene mat finish while PA version is self-protected by mineral slates that reduce heat absorption on the surface thus improving the durability of the membrane; it is provided with a selvedge by 10 cm to the side and 15 cm to the head to improve bonding and sheet strength.

The lower face of both versions has a silicon release film finish.

## Fields of use

LARIX THERMO-ADHESIVE with its innovative characteristics is indicated for the waterproofing of a wide range of civil and industrial structures.

LARIX THERMO-ADHESIVE is ideal wherever the use of open flames is inadvisable, such as, for example, heat-sensitive insulation panels (polystyrene) or wooden roofs, for the restoration of historical buildings, for deck panels, sheet roofs and all undertile waterproofing.

### Vapour barrier

LARIX THERMO-ADHESIVE can also be used as a vapour barrier, as a restraining layer for the thermal insulation system, and in multi-layer systems as a complementary restraining and sealing layer.

### Connection layer

LARIX THERMO-ADHESIVE is recommended as the first waterproofing layer over layers of heat-sensitive insulation, and can also be used over every type of insulating system. Also indicated for the laying of bituminous roofing tiles.

### Foundations

LARIX THERMO-ADHESIVE is also recommended for the vertical waterproofing of foundation walls to make working fast and safe with the possibility of supplementing the membrane with mechanical protection systems.

## 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
<b>LARIX THERMO-ADHESIVE P 2.5 MM</b>								•	•			•				

### EN13859-1 Under roof tile

**LARIX THERMO-ADHESIVE PA 4.0 KG/M²**

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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/m<sup>2</sup> 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 anti-adhesion release film that is divided in half along its length in one or more panels, making sure to remove also the side selvage on the upperside (Drawings 2 and 3).

### LARIX THERMOADHESIVE as complementary element

- Apply the second layer of bituminous membrane by flaming and melting the bituminous mixture, making sure to stagger the overlapping of the second layer (Drawing 4).

### LARIX THERMOADHESIVE as vapour barrier

Perform the operations described in points 1-2-3-4 above.

- Use the propane gas burner to burn off the polyethylene film on the top side of the membrane (Drawing 5).
- Position the insulation panel in the pre-heated area by applying pressure with your hands (Drawing 6).

### LARIX THERMOADHESIVE in foundations

- Position the rolls on the vertical surface by fastening the top of the membrane with weathering and mechanical fixing and overlapping panels edges of 10 cm.
- Remove the silicone-coated film in one or more sessions, making sure to roll the entire surface in order to ensure adhesion throughout the entire support (Drawing 7).



# LARIX Thermo-Adhesive

## 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 bituminous 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.

## Technical data

Technical Characteristics	Measure Units	Reference Norm	P	PA	Tolerance
Type of reinforcement			Single strand polyester		
Upper face finish			Polypropylene mat	Mineral *	
Lower face finish			Silicon release film		
Length	m	EN 1848-1	10 -1%		
Width	m	EN 1848-1	1 -1%		
Thickness	mm	EN 1849-1	2,5		±5%
Mass	kg/m <sup>2</sup>	EN 1849-1		4,0	±10%
Cold flexibility	°C	EN 1109	NPD		
Cold flexibility after ageing	°C	EN 1296 - EN 1109	NPD		
Tensile strength L / T	N / 5 cm	EN 12311-1	400/300		-20%
Elongation at break L / T	%	EN 12311-1	35/35		-15
Tearing resistance L / T	N	EN 12310-1	120/120		-30%
Static puncture resistance	kg	EN 12730	10		
Dynamic puncture resistance	mm	EN 12691-B	700		
Dimensional stability	%	EN 1107-1	-0,3		
Loss mineral	%	EN 12039		30	
Fire resistance		EN 13501-5	F ROOF		
Fire reaction		EN 13501-1	F		
Watertightness	kPa	EN 1928	60		
Watertightness after artificial ageing	kPa	EN 1296	60		
Water vapour permeability	μ	EN 1931	20000		

\* 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 2,5 mm	PA 4,0 kg/m <sup>2</sup>
Rolls size [m]	10x1	10x1
Rolls per pallet	30	27
Square meters per pallet [m <sup>2</sup> ]	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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