



**Stratigraphy**

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

**Characteristics**

GILLY EXTRA is a prefabricated membrane made of premium grade bitumen distillate heavily modified with elastomeric and plastomeric polymers.

GILLY EXTRA is reinforced with spunbond non-woven polyester filaments stabilized with fiberglass.

The waterproofing compound obtained through the complete homogenization of bitumen distilled with elastomeric and plastomeric polymers is added with special additives, and offers:

- resistance to U.V. radiation
- resistance to temperature change
- resistance to asphalt, coal tar
- resistance to chemical corrosion acid, salt, oil, petroleum product, mold and algae
- waterproof seal
- good adhesion when heated to all supports

**Finishing**

The upsideside of GILLY EXTRA is protected with granules of natural slate which in addition to offering as aesthetical finish, provides protection against UV radiation and heat in this way preserving the roof covering from aging. 10 cm wide selvedge has been left at the side to improve overlapping of rolls.

The underside is protected by a burn-off printed and embossed polyethylene film that allows you to check anytime the ideal melting point of the waterproofing compound and vapor diffusion thus preventing the formation of blisters whenever the membrane is laid with semi-adherence or independently.

**Methods of application**

- 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 these systems 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 technical documentation, 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. For the waterproofing primer ASTM D41 asphalt primer is highly recommended.

**Fields of use**



**EN13707 Continuous roofs (Certificate n° GB14/92056)**

	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>GILLY EXTRA PA 4 MM ON MINERAL</b>		•	•	•						•			•				
<b>GILLY EXTRA PA 4.5 KG/M²</b>		•	•	•						•				•			

**EN13859-1 Under Roof Tile**

<b>GILLY EXTRA PA 4.5 KG/M²</b>	•	•	•	•						•				•			
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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

- On cementitious surfaces and similar apply, by roller or airless, bituminous primer, approx. consumption 200/400 gr/m<sup>2</sup>.
- To have all overlaps with the slope, position the membrane always starting from the lowest point. (Draw. N.1)
- Position the membrane sheets staggered, avoiding to create any overlaps against the slope and the drains. (Draw. N.2)
- Cut the corners of membrane sheet which will be laid under the next sheet at a 45° angle (10 x 10 cm). (Draw. N.3)
- The joints, both side and head, must be respectively overlapped by 10 & 15 cm. (Draw. N.3)
- The second layer of membrane will be applied astride and over the first one, always in the same direction, and approx. 1/4 of its length from the previous sheet. (Draw. N.4)
- The bituminous membrane will be applied with a propane gas torch to the substrate. It is necessary to heat the entire surface, except for the side & head laps, making sure that the compound forms a liquid mass in front of the roll to assure that it saturates any superficial porosity.
- 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) from which a bead of compound should flow and therefore avoiding to have to iron the overlaps.
- The height of the verticals must be equivalent or superior to the finished surface by at least 15 cm.



## Gilly Extra

## Recommendations

- Rolls of product must be stored upright in suitable areas (roofed and ventilated) far from sources of heat, and must never be stacked one on top of another in order to prevent deformation that may compromise laying. Store the product at temperatures higher than 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 always be even and smooth and with sufficient slope (min. 1.5%) to prevent ponding water.
- The product must be applied at room temperatures of above + 5°C.
- Application must be suspended during inclement weather (excessive humidity, rain, etc.)
- Providing a light level of protection with acrylic or aluminous paint is highly recommended in order to increase the performance and duration of the roof covering for products not self-protected with natural slate or reinforced on both sides that are used as finishing layers. In such case, it is well worth waiting for the uniform oxidation of the membrane's to level (3-6 months depending on exposure and season) before proceeding to application.
- Laribit bitumen membrane is protected with non-woven polyester filament fabric so as that the bituminous water proof roof covering can be painted immediately after it has been laid.
- The pallets supplied are suited only for normal warehouse movement and not for raising heavily loads to height.
- When storing with original packaging, pallets should not be stacked.
- We recommend making correct and regular warehouse rotation.

## Technical data

Technical Characteristics	Measure Units	Reference Norm	PA	Tol.
<b>Type of reinforcement</b>				
<b>Upper face finish</b>				
<b>Lower face finish</b>				
<b>Watertightness</b>	kPa	EN 1928		
<b>Length</b>	m	EN 1848-1	10-1%	
<b>Width</b>	m	EN 1848-1	1-1%	
<b>Thickness</b>	mm	EN 1849-1	4mm	±5%
<b>Mass</b>	kg/m <sup>2</sup>	EN 1849-1	4,5	±10%
<b>Cold flexibility</b>	°C	EN 1109	-5	
<b>Flow resistance</b>	°C	EN 1110	120	
<b>Flow resistance after ageing</b>	°C	EN 1296	110	-10°C
<b>Tensile strength L / T</b>	lbf/in	ASTM D 5147	620 N/50mm to 750 N/50mm	±20%
<b>Elongation at break L / T</b>	%	ASTM D 5147	50/50	-15
<b>Tear strength L / T</b>	lbf/in	ASTM D 4073 - ASTM D 5147	160-180N	
<b>Static puncture resistance</b>	%	EN 1107-1	0,3	
<b>Loss mineral</b>	%	EN 12039	30	
<b>Fire resistance</b>		EN 13501-5	F ROOF	
<b>Fire reaction</b>		EN 13501-1	F	
<b>Impact resistance</b>		ASTM D 3105	>600mm	
<b>Shear resistance of joint</b>		ASTM D 3105	>400N/50mm	
<b>Tensile strength after ageing L / T</b>	N / 5cm	EN 1296	NPD	-20%
<b>Elongation at break after ageing L / T</b>	%	EN 1296	NPD	-15
<b>Impermeability after artificial ageing</b>	kPa	EN 1296	60	
<b>Softening point</b>	°C	ASTM 36-76	>140	
<b>Water absorption</b>	%	ASTM D 570:88	<1	
<b>Water vapour transmission</b>	sq.m.	ASTM E 96:94	13.30	

\* It is impossible to guarantee the color uniformity on self protected mineral membranes as the suppliers of the same do not provide any also. All self protected mineral finished membranes undergo color variations over time due to the exposure to atmospheric agents. Normally these variations in time will gradually become uniform.

## Sizes & packing

	PA	PA 4 mm	PA 4,5 kg/m <sup>2</sup>
<b>Roll length [m]</b>	10x1	10x1	
<b>Roll width [m]</b>	23	30	
<b>Rolls per pallet [m<sup>2</sup>]</b>	230	300	

The technical data given is based on average values obtained during production. Laribit reserves the rights to change or modify the nominal values without prior notice or advice.



## Laribit®

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