

### Stratigraphy

- 1 P.E. film
- 2 Waterproofing mass
- 3a Fibre glass reinforcement
- 3b Single strand composite polyester reinforcement
- 4 Waterproofing mass
- 5a Sand or talc finish
- 5b Mineral finish

## Characteristics

GILLY is a prefabricated membrane made of bitumen distillate modified with elastomeric and plastomeric polymers. GILLY P is reinforced with spunbond non-woven polyester filaments stabilized with fibreglass, while GILLY V with reinforced glass fibre.

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

- resistance to U.V. radiation
- resistance to temperature change
- resistance to O3
- resistance to chemical corrosion (acids and salts)
- waterproof seal
- good adhesion when heated to all supports

## Finishing

The upperside of GILLY P and V is finished with a special inorganic and extremely fine release material which is uniformly spread and calibrated in order to prevent the roll from sticking to itself, and provides anti-slip features for applications on sloping surfaces.

They make easy to apply acrylic and aluminous paints that are always indispensable whenever other types of protection are not provided (gravel, finishing with natural slate or tile).

GILLY PA and VA instead have their upperside protected with granules of natural slate which in addition to offering an aesthetical finish, provides protection against UV radiation and heat in this way preserving the roof covering from aging. 8 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.
- Scrupulously respect the recommendations and warnings for use provided on the product's technical data sheet.
- The waterproofing system and the products recommended can be modified as required by the roof's constructive type and size (please consult our Technical Assistance Service).
- 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.

## Fields of use

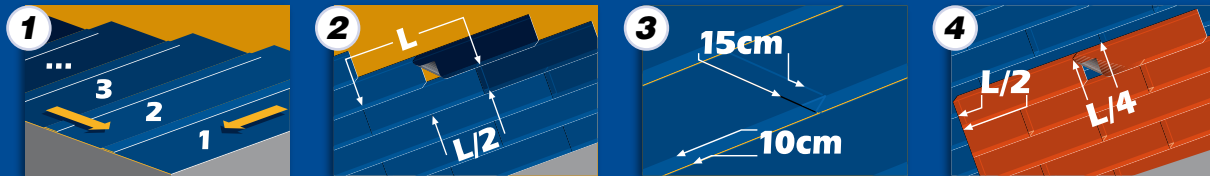
	CE CERTIFICATION		N° LAYERS		METHOD OF APPLICATION				TYPE OF APP.			TYPE						
	★	▲	Single Layer	Double Layer	Torch	Hot Air	Mixed (Torch/Air)	Cold Bond Glue	Mechanical Fixing	Thermo Ad / Self Adhesive	Fully Bonded	Partially Bonded	Loose Laid	Complimentary Layer	Top Layer	Heavy Protection	Anti-root	Other Uses
<b>GILLY P 3 KG/M²</b>	•			•	•						•			•				
<b>GILLY P 4 KG/M²</b>	•			•	•						•			•				
<b>GILLY P 3 MM</b>	•			•	•						•			•				
<b>GILLY P 4 MM</b>	•			•	•						•			•				
<b>GILLY PA 3.5 KG/M²</b>	•		•	•	•						•			•				
<b>GILLY PA 4.0 KG/M²</b>	•		•	•	•						•			•				
<b>GILLY PA 4.5 KG/M²</b>	•		•	•	•						•			•				
<b>GILLY PA 4 KG/M² ARCOBALENO</b>	•		•	•	•						•			•				
<b>GILLY PA 4.5 KG/M² ARCOBALENO</b>	•		•	•	•						•			•				
<b>GILLY V 3 KG/M²</b>	•			•	•						•			•				
<b>GILLY V 4 KG/M²</b>	•			•	•						•			•				
<b>GILLY VA 4.0 KG/M²</b>	•			•	•						•			•				

★ Certificate N. 0958-CPD-DK029  
 ▲ Certificate N. 0958-CPD-DK030  
 Certification body 0958

## 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**

## 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 (LARIPRIMER or ECOLARIPRIMER).
- 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 paint (ACRIL BIT o aluminous (PROTEXOL) 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 top level (3-6 months depending on exposure and season) before proceeding to application.
- Whenever bituminous membranes protected with non-woven PPL filaments are used, the bituminous waterproof 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 heavy loads to height.
- We recommend making correct and regular warehouse rotation.

## Technical data

Technical Characteristics	Measure Units	Reference Norm	P	P	P	P	PA	PA	PA	V	V	VA	Tol.
<b>Type of reinforcement</b>			Single strand polyester						Fibre glass				
<b>Upper face finish</b>			Sand or talc			Mineral			Sand or talc		Mineral		
<b>Lower face finish</b>			P.E. film										
<b>Watertightness</b>	Kpa	EN 1928	60										
<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			3	4							-10%
<b>Mass</b>	kg/m <sup>2</sup>	EN 1849-1	3,0	4,0			3,5	4	4,5	3,0	4,0	4	-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				120			120			120	-10°C
<b>Artificial U.V. ageing</b>		EN 1297	pass										
<b>Tensile strength L / T</b>	N / 5 cm	EN 12311-1					400/300		300/200				-20%
<b>Elongation at break L / T</b>	%	EN 12311-1					35/35		2/2				-15 -2
<b>Tearing resistance L / T</b>	N	EN 12310-1					120/120						-30%
<b>Static puncture resistance</b>	%	EN 1107-1					0,3						
<b>Loss mineral</b>	%	EN 12039							30				30
<b>Fire resistance</b>		EN 13501-5	F ROOF										
<b>Fire reaction</b>		EN 13501-1	F										
<b>Tensile strength after ageing L / T</b>	N / 5 cm	EN 1296							NPD				-20%
<b>Elongation at break after ageing L / T</b>	%	EN 1296							NPD				-15

## Sizes & packing

Description GILLY	P 3 kg/m <sup>2</sup>	P 4 kg/m <sup>2</sup>	P 3 mm	P 4 mm	PA 3,5 kg/m <sup>2</sup>	PA 4 kg/m <sup>2</sup>	PA 4,5 kg/m <sup>2</sup>	V 3 kg/m <sup>2</sup>	V 4 kg/m <sup>2</sup>	VA 4 kg/m <sup>2</sup>
<b>Rolls size [m]</b>	10x1	10x1	10x1	10x1	10x1	10x1	10x1	10x1	10x1	10x1
<b>Rolls per pallet</b>	42	33	30	25	33	30	27	42	33	30
<b>Square meters per pallet [m<sup>2</sup>]</b>	420	330	300	250	330	300	270	420	330	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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