



*The leader in the self-adhesive technology!*



# POLYSTICK TU PLUS

**NON-SLIP PRODUCT**  
Recommended for use under roofing tiles/shingles

POLYSTICK TU PLUS is a high quality self-adhesive bituminous membrane made with **ADESO**® technology, the new compound stratification process developed by Polyglass SpA.

 <b>Guaranteed Quality</b> UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004	 <b>FASTLap</b> Granule-free end-lap
 <b>Products in compliance</b> with European standards	 <b>SEALLap</b> The only product with self-adhesive lateral and end-lap
 <b>Polyglass is a member of</b> Green Building Council	 <b>All year membranes</b>
 <b>Bituminous membrane</b> polymeric matrix ageing control	 <b>No flame (greater work site safety)</b>
 <b>Without mechanical</b> fixings	 <b>Odour free</b>
 <b>Incredible lightweight</b>	 <b>Easy to apply</b>
	 <b>Manufacturers of Bitumen</b> Distillate Polymer Membranes

**IDEAL ON INSULATION PANELS**  
**SENSITIVE TO FLAME**

**LATEST GENERATION SELF-ADHESIVE MEMBRANES**



*Adds value!*

## TECHNICAL DESCRIPTION



**POLYSTICK TU PLUS** is a high quality self-adhesive bituminous membrane made with **ADESO**® technology, the new compound layering system from Polyglass SpA.

**POLYSTICK TU PLUS** is a bituminous waterproofing membrane, reinforced with glass fibre which have high mechanical properties thanks to its polyester upper surface.

**POLYSTICK TU PLUS**, is specifically designed to be used as an under-layer for roofing tiles.

The tiles can be directly applied on **POLYSTICK TU PLUS** using adhesive or mortar.

**POLYSTICK TU PLUS** can also be applied with mechanical fixing systems.

**POLYSTICK TU PLUS** has excellent high temperature resistance.

**POLYSTICK TU PLUS** is provided with **SEALLap**®, the innovative special selvedge overlap feature with adhesive on the upperside that guarantees excellent membrane adhesion even in the most difficult circumstances.

**POLYSTICK TU PLUS** complies with BS 476 Part 6 (Method of Test for Fire Propagation for Products) and Part 7 (Surface Spread of Flame Test) in roofing system -SIRIM Fire Test Result-.

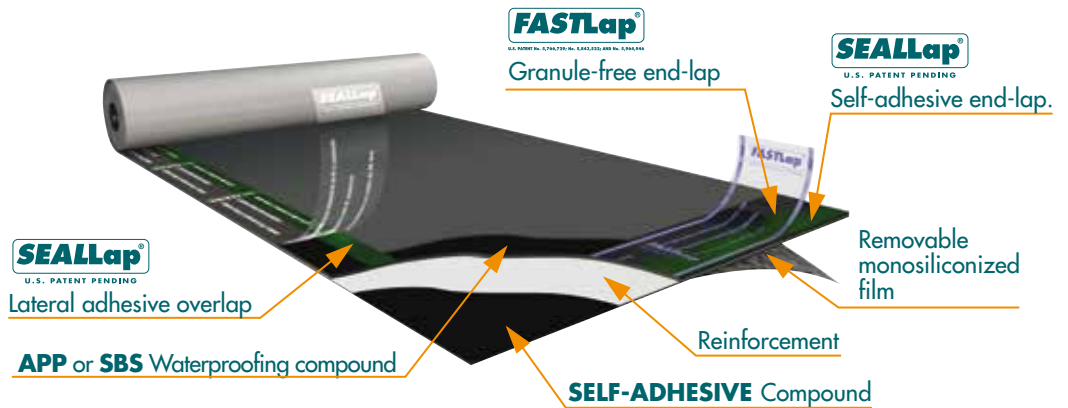
### SEALLap®



Unique factory-applied adhesive treatment at membrane overlaps for enhanced sealability.

### BENEFITS

- Instant bonding between adjacent membranes even at low temperatures.
- No need for caulk or mastics.
- Shorter installation time.
- Reduced material and labour costs.
- Faster, quicker, cleaner and easier roll lapping.
- Significantly higher lap joint strength.
- Immediate watertightness of roof.



## INTENDED USE AS PER CE STANDARDS

PRODUCT	SINGLE LAYER		MULTI-LAYER				ROOT BARRIER	VAPOUR BARRIER	FOUNDATIONS		UNDER DISCONTINUOUS ROOFING
			F.L.		S.				R.D.	L.	
	V.	U.H.P.	V.	U.H.P.	V.	U.H.P.					
<b>2 mm</b>											•

F.L.: Finishing Layer - S.: Substrate - R.H.: Rising Damp - L.: Layer - V.: Visible - U.H.P.: Under Heavy Protection

**POLYSTICK TU PLUS** used as a anti-slip, under roof tile waterproofing layer and for covering chimneys, tubes and for sealing roof windows; it can also be applied to ridges and rain pipes.

## APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

Apply **POLYSTICK TU PLUS** directly on to the roof's screed. Never apply directly on to tiles, shingles or other types of final roofing. Apply the product only in good weather, avoiding days when humidity levels are too high.

Cut **POLYSTICK TU PLUS** to a suitable length for working with at least a 10 cm overlap. Remove half of the mono-silicone coated release film at the lower end of the roll, fasten the sheet, and then remove the other half of the film. When laying on a pitched roof, apply the rolls from upwards downwards.

At the roof's ridge line, the membrane must be folded back 20-30 cm and then fastened mechanically. Whenever roof pitch is greater than 30%, the membrane must be fastened mechanically also at the overlap points (in accordance with the UNI reference standards), in order to avoid slipping and contrast the action of the wind. Make sure that any nails are completely covered by the next layer's selvedge strip. We recommend using shears, tile cutters, pressing rollers and leister hot air guns. **POLYSTICK TU PLUS** must never be exposed to inclement weather. Whenever roof pitch is less than 30%, the fastening of roof tiles and shingles to **POLYSTICK TU PLUS** can be performed using cement lie mortar or polyurethane foam.

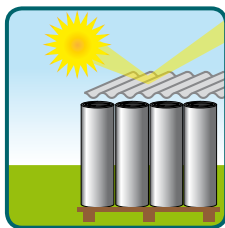
When applied as a tile underlay on pitched roofs as an extra waterproofing measure, the membranes serve merely to give additional waterproof protection on top of the roof's own waterproofing function; the system used to secure tiles to the roof must be determined and sized by the Designer and/or Fitter to meet current code and technical standards in force, complying with the tile manufacturer's installation directions.

Under no circumstances can Polyglass SpA be held responsible for this fixing.

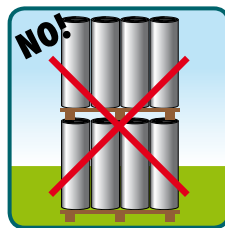
## STOCKING

Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature is excessively low or high, avoid stamping (shoes with crampons, small objects or sharp edges).

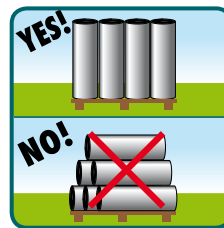
For further information contact Polyglass SpA Technical Office.



Keep out of direct sunlight.



Avoid stocking pallets without evenly distributing the load.



Keep the rolls standing.



Absolutely avoid puncturing the product.

## DIMENSIONS - PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m <sup>2</sup>	DIMENSIONS m
POLYSTICK TU PLUS	2	-	1x20

# TECHNICAL SPECIFICATIONS

TEST METHOD	TECHNICAL SPECIFICATIONS	UNIT OF MEASURE	NOMINAL VALUES	NOMINAL VALUES
EN 1848-1	LENGTH	m	≥20	
EN 1848-1	WIDTH	m	1 (-0,5% + 1,5%)	
EN 1848-1	STRAIGHTNESS	mm/10 m	Exceeds	
EN 1849-1	THICKNESS	mm	2 (±0,2)	
EN 1849-1	MASS PER UNIT AREA	kg/m <sup>2</sup>	NPD	
EN 1928-B	WATERTIGHTNESS	kPa	W1	
EN 13501-1	REACTION TO FIRE	Euroclass	F	
EN 12311-1	TENSILE PROPERTIES			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	300 (-20%)	
	Transversal	N/50 mm	200 (-20%)	
EN 12310-1	ELONGATION AT BREAK			
	Longitudinal	%	3 (-2)	
	Transversal	%	3 (-2)	
EN 12310-1	RESISTANCE TO TEARING			
	Longitudinal	N	70 (-30%)	
	Transversal	N	70 (-30%)	
EN 1107-1	DIMENSIONAL STABILITY	%	≤0,2	
EN 1109	COLD FLEXIBILITY	°C	≤-10	
EN 12114	RESISTANCE TO PENETRATION OF AIR	-	NPD	
EN 1297	ARTIFICIAL AGEING BEHAVIOUR (VISIBLE DEFECTS)	-	-	
EN 1296 - EN 1297	ARTIFICIAL AGEING BEHAVIOUR			
EN 1298	RESISTANCE TO WATER PENETRATION	mm/H <sub>2</sub> O	W1	
EN 1296 - EN 1297	TENSILE PROPERTIES			
	AGAINST ARTIFICIAL AGEING			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	±30% initial value	
EN 12311-1	Transversal	N/50 mm	±30% initial value	
EN 1296 - EN 1297	ELONGATION AT BREAK			
	Longitudinal	%	±30% initial value	
	Transversal	%	±30% initial value	
EN 1931	WATER VAPOUR PROPERTIES	μ	20000	
EN 1850-1	VISIBLE DEFECTS	-	ABSENT	
ASTM D 1000	PEELING	N/10 mm	≥20	

POLYSTICK TU PLUS

Thickness and weight parameters are indicative only for Italian market.  
In compliance with EN 13859-1 product standard (underlays for discontinuous roofing).

Considering the various situations of use, the numerous types of support surfaces and the possibilities for use inside COMPLEX WATERPROOF LAYERING, Polyglass SpA cannot assume any liability for damages derived from the products' results in terms of function or aesthetics. Vers. 1-14

-  WALKABLE FLAT COVERINGS
-  NON WALKABLE FLAT COVERINGS
-  FLAT COVERINGS WITH STRUCTURAL FRETTED SEAM PANNELLING
-  INDUSTRIAL SHED COVERINGS
-  VAULT COVERINGS
-  PITCHED COVERINGS
-  FOUNDATIONS
-  UNDERGROUND PARKING LOTS
-  RAISED PARKING LOTS
-  ROOF-GARDENS
-  BRIDGES AND VIADUCTS
-  BASINS AND CANALS
-  GALLERIES AND TUNNELS
-  REPLACEMENT OF THE WATERPROOF COAT  
REPLACEMENT WITH INSULATING SYSTEM  
PARTICULAR REPLACEMENTS
-  DETAILS
-  SPECIAL COVERINGS

Rev. 1-15

## APPLICATION METHOD



- ① Apply a layer of bituminous primer (POLYPRIMER HP 45 Professional).
- ② Remove the roll from its package.
- ③ Lay and align the sheet up to a certain reference point (perimeter wall, gutter line, etc.).
- ④/⑤ Remove the protective monosiliconized film.
- ⑥ Position and unroll the second sheet.
- ⑦/⑧ Remove the second half of the mono-silicone coated film.
- ⑨ Fold the sheet back halfway lengthwise and peel away the second half of the release film.
- ⑩ Remove the protective film from the **SEALLap**® lateral sealing strip.
- ⑪ Apply the second sheet to the lateral sealing strip of the first sheet.
- ⑫ Roll over the areas in which the sheets overlap.



SELF-ADHESIVE TECHNOLOGY



SELF-ADHESIVE TECHNOLOGY

POLYGLASS SPA reserves the right to modify the products, without notice, in any necessary way in order to guarantee the continuous improvement of the product.

[www.polyglass.com](http://www.polyglass.com)



*Adds value!*

**POLYGLASS SPA**

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