





COLD FLEXIBILITY
-5 °C

TREND HS TREND HS mineral

TREND HS and TREND HS MINERAL are plastomeric waterproofing membranes with outstanding performance indicated for the waterproofing of all structures.

	Guaranteed Quality UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004		All year membranes
	Product in compliance with European Standards	BYSTOP	Lateral and endlap sealing strips
	Polyglass is a member of Green Building Council	POLYFLAM <i>Easy Torch</i>	Easily flamed non-stick polyethylene film
	Bituminous membrane polymeric matrix ageing control		



Adds value!

DEALER LINE

TREND HS TREND HS mineral



TECHNICAL DESCRIPTION

TREND HS and **TREND HS MINERAL** are prefabricated waterproof plastomeric membranes capable of offering excellent performance.

They are made from a POLYPROPYLENE-modified distilled bitumen compound and a polyester staple-fibre nonwoven carrier reinforced and stabilized with glass strands parallel to the machine direction.

The carrier features good mechanical qualities and good ultimate elongation. The compound provides remarkable low temperature flexibility properties. Quality is guaranteed by the application of sophisticated technology to manufacturing processes.

The **TREND HS** and **TREND HS MINERAL** membranes are produced to the quality standards set by NAT® technology the innovative manufacturing system for the control of polymer matrix ageing in bituminous membranes.

DESTINATION

PRODUCT	SINGLE LAYER		MULTI-LAYER				ROOT BARRIER	VAPOUR BARRIER	FOUNDATIONS		UNDER ROOFING TILE
	E.	U.H.P.	F.L.		U.L.				R.D.	P.	
			E.	U.H.P.	E.	U.H.P.					
3 mm					•	•					
4 mm			•	•	•	•			•		
4 kg Mineral			•								
4,5 kg Mineral			•								

F.L.: Finishing Layer - U.L.: Underlying Layer - R.D.: Rising Damp - P.: Pitch - E.: Exposed - U.H.P.: Under Heavy Protection

TREND HS and **TREND HS MINERAL** membranes are suited for the waterproofing of all traditional, metal, and prefabricated civil and industrial structures. Waterproofing systems **under heavy protection** can be laid in single layers (whenever permitted by product) or multiple layers with minimum thicknesses of 7 mm (4+3 mm).

APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

TREND HS and **TREND HS MINERAL** can be provided with its upperside covered with a talc, sand, or a non woven polypropylene fabric. Its underside is protected and faced with **POLYFLAM EasyTorch**, the special non-stick polyethylene film to be flamed during laying. In the **MINERAL** version, the upperside is protected by an even layer of coloured or natural mineral slate chips and features **BYSTOP** (patented), lateral and endlap sealing strip for easy overlapping. Support surfaces must be dry, clean, and sufficiently smooth and level. Application is made by light flaming with propane gas. Laying is quick and easy. We recommend slightly heating the roll of membrane prior to laying in winter.



Talc



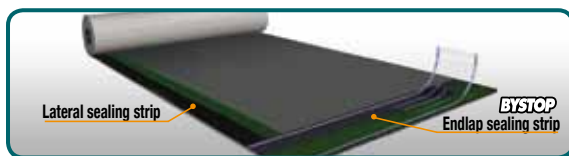
Sand



A non woven polypropylene fabric



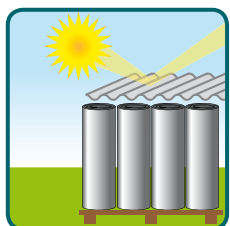
POLYFLAM EasyTorch



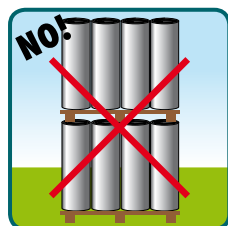
BYSTOP (endlap)

STOCKING

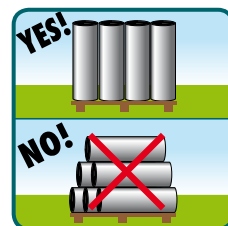
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature 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.

TECHNICAL SPECIFICATIONS

TEST METHOD	TECHNICAL CHARACTERISTICS	UNIT OF MEASURE	NOMINAL VALUES	NOMINAL VALUES
EN 1848-1	LENGTH	m	10 (-1%)	10 (-1%)
EN 1848-1	WIDTH	m	1 (-1%)	1 (-1%)
EN 1848-1	STRAIGHTNESS	mm/10 m	Exceeds	Exceeds
EN 1849-1	THICKNESS	mm	4 (-0,4)	NPD
EN 1849-1	MASS PER UNIT AREA	kg/m ²	NPD	4 (±10%)
EN 1928-B	WATERTIGHTNESS	kPa	Exceeds	Exceeds
EN 1928-B EN 1296	WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Exceeds	-
EN 1928-B EN 1847	WATERTIGHTNESS AGAINST CHEMICAL	kPa	Exceeds	-
EN 13897	WATERTIGHTNESS AFTER STRETCHING	kPa	NPD	NPD
EN 13501-5	EXTERNAL FIRE PERFORMANCE	-	F _{Roof}	F _{Roof}
EN 13501-1	REACTION TO FIRE	Euroclass	F	F
EN 12316	PEEL RESISTANCE	N/50 mm	-	-
EN 12317	SHEAR RESISTANCE	N/50 mm	-	-
	TENSILE PROPERTIES			
EN 12311-1	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	400 (-20%)	400 (-20%)
	Transversal	N/50 mm	300 (-20%)	300 (-20%)
	ELONGATION AT BREAK			
	Longitudinal	%	35 (-15)	35 (-15)
	Transversal	%	35 (-15)	35 (-15)
EN 12691-A	RESISTANCE TO IMPACT	mm	≥700	≥700
EN 12730-A	RESISTANCE TO STATIC LOADING	kg	≥10	≥10
EN 12310-1	RESISTANCE TO TEARING			
	Longitudinal	N	130 (-30%)	130 (-30%)
	Transversal	N	130 (-30%)	130 (-30%)
EN 1107-1	DIMENSIONAL STABILITY	%	≤0,3	≤0,3
EN 1108	FORM STABILITY UNDER CYCLIC TEMPERATURE CHANGE	%	-	-
EN 1109	COLD FLEXIBILITY	°C	≤-5	≤-5
EN 1110	FLOW RESISTANCE AT ELEVATED TEMPERATURE	°C	≥110	≥110
EN 1110 EN 1296	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	≥100	≥100
EN 1297	ARTIFICIAL AGEING BEHAVIOUR (VISIBLE DEFECTS)	-	Exceeds	-
EN 12039	ADHESION OF GRANULES	%	-	≤30
EN 1931	WATER VAPOUR PROPERTIES	μ	20000	20000
EN 1850-1	VISIBLE DEFECTS	-	Absent	Absent

Thickness and weight parameters are indicative only for Italian market.

In compliance with EN 13707 products standards (layers for roofing) and EN 13969 TYPE T products standards (layers for foundations).

DIMENSIONS – PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m ²	DIMENSIONS m
TREND HS	3	-	1x10
TREND HS	4	-	1x10
TREND HS MINERAL (Grey)	-	4	1x10
TREND HS MINERAL (Grey)	-	4,5	1x10

AVAILABLE COLOURS

Upperside protected with coloured mineral slate chips:



Grey

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 product's results in terms of function or aesthetics.



FLAT ROOF WITH PEDESTRIAN ACCESS



FLAT ROOF WITH LIMITED ACCESS



PROFILED METAL DECKS



INDUSTRIAL SAWTOOTH ROOFS



CURVED ROOFS



PITCHED ROOFS



FOUNDATIONS



UNDERGROUND CAR PARK



RAISED CAR PARK



ROOF GARDENS



BRIDGES AND VIADUCTS



RESERVOIRS AND CANALS



GALLERY AND TUNNEL



RENEWAL WATERPROOFING CONVERGING ONLY
RELINING WITH INSULATING MATERIAL
SPECIAL RE-ROOFING WORK



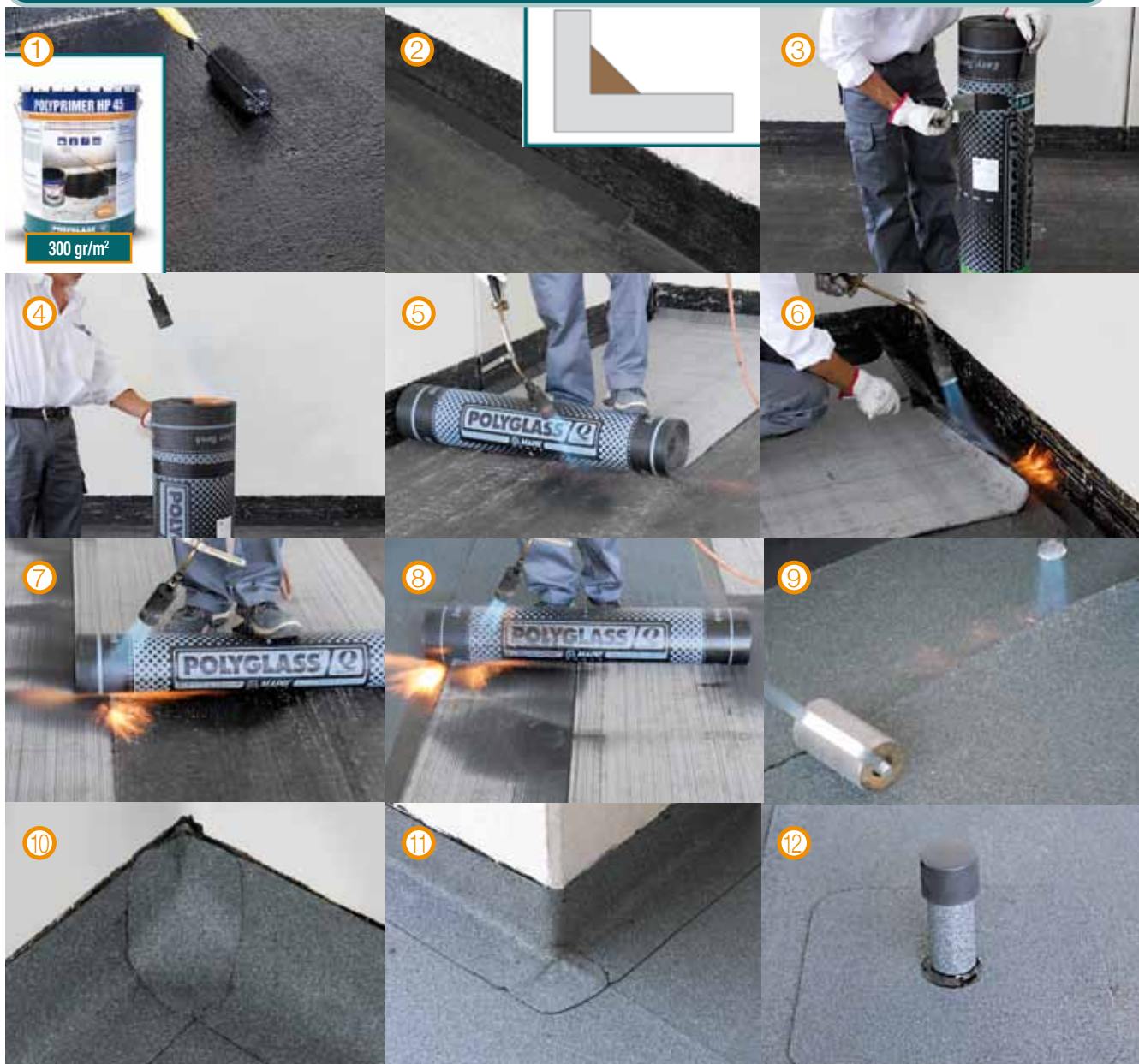
DETAILS



SPECIAL ROOFS

WATERPROOFING MEMBRANES

APPLICATION METHOD



- ① Treat the area to be waterproofed with bituminous primer (POLYPRIMER HP 45 Professional).
- ② Position the "Bordangolo" near the horizontal-vertical joint.
- ③ Completely strip away the product identification tape.
- ④ In the colder months, we recommend heating up the roll of membrane before applying it.
- ⑤ Position and apply the sheet by flaming its bottom surface.
- ⑥ Pull the sheet up to a certain height against vertical surfaces.
- ⑦ Apply the second sheet with adequate overlapping.
- ⑧ Lay the second layer by overlapping. Do not cross the sheets.
- ⑨ Roll the overlapping areas using the special pressing roller.
- ⑩ Example of internal corner.
- ⑪ Example of external corner.
- ⑫ Example of vent pipe.

POLYGLASS SPA reserves the right to make any and all modifications required for the ongoing perfection of the product without notice.



Adds value!

POLYGLASS SPA

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