



COLD FLEXIBILITY
-10 °C

FORMAT HS

FORMAT HS is a plasto-styrene waterproofing membrane with outstanding performance indicated as a sealing element in the waterproofing of walls.



Guaranteed Quality
UNI EN ISO 9001:2008 and
UNI EN ISO 14001:2004



All year membranes



Product in compliance
with European Standards



Easily flamed non-stick
polyethylene film



Polyglass is a member of
Green Building Council



Bituminous membrane
polymeric matrix ageing control

PROFESSIONAL LINE



Adds value!



TECHNICAL DESCRIPTION

FORMAT HS is a plasto-styrene waterproofing membrane made of a special distilled bitumen-based compound modified with propylene and styrene and a continuous thread non-woven polyester fabric with elevated basic weight reinforced and stabilized by longitudinal glass fibre. The compound grants exceptional low temperature flexibility.

DESTINATION

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

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

Format HS is a versatile membrane provided with excellent mechanical strength, dimensional stability, and adhesion. These characteristics make **Format HS** particularly suited for use as a sealing element in the waterproofing of vertical walls.

APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

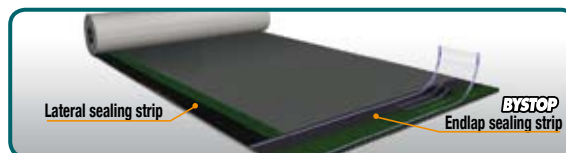
FORMAT HS has its upperside covered with a special layer of transparent non-stick polyethylene film. Its underside is protected and faced with **POLYFLAM Easy Torch** (reduced printed area increases product adhesion), the special non-stick polyethylene film to be flamed during laying. Support surfaces must be dry, clean, and sufficiently smooth and level. Application with complete adhesion is made by light flaming with propane gas. Laying is quick and easy. We recommend applying bituminous primer for greater promotion of adhesion whenever the membrane is applied to a concrete support surface. We recommend slightly heating the roll prior to laying in winter.



Non-stick polyethylene film



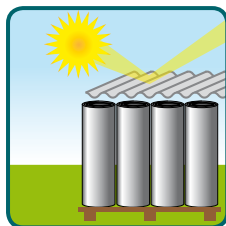
POLYFLAM Easy Torch



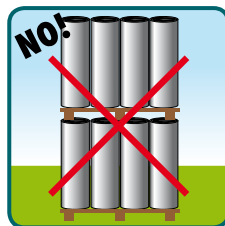
BYSTOP (endlap)

STOCKING

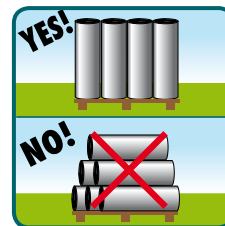
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature 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%)	
EN 1848-1	WIDTH	m	1 (-1%)	
EN 1848-1	STRAIGHTNESS	mm/10 m	Exceeds	
EN 1849-1	THICKNESS	mm	4 (±0,2)	
EN 1849-1	MASS PER UNIT AREA	kg/m ²	6 (±10%)	
EN 1928-B	WATERTIGHTNESS	kPa	Exceeds	
EN 1928-B EN 1296	WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Exceeds	
EN 1928-B EN 1847	WATERTIGHTNESS AGAINST CHEMICAL	kPa	Exceeds	
EN 13501-1	REACTION TO FIRE	Euroclass	F	
EN 12317	SHEAR RESISTANCE	N/50 mm	500/400 (-20%)	
EN 12311-1	TENSILE PROPERTIES			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	600 (-20%)	
	Transversal	N/50 mm	500 (-20%)	
	ELONGATION AT BREAK			
	Longitudinal	%	35 (-15)	
	Transversal	%	35 (-15)	
EN 12691-A	RESISTANCE TO IMPACT	mm	≥900	
EN 12730-A	RESISTANCE TO STATIC LOADING	kg	≥15	
EN 12310-1	RESISTANCE TO TEARING			
	Longitudinal	N	150 (-30%)	
	Transversal	N	150 (-30%)	
EN 1107-1	DIMENSIONAL STABILITY	%	≤0,3	
EN 1109	COLD FLEXIBILITY	°C	≤-10	
EN 1931	WATER VAPOUR PROPERTIES	μ	20000	
EN 1850-1	VISIBLE DEFECTS	-	Absent	

Thickness and weight parameters are indicative only for Italian market.
In compliance with EN 13969 TYPE T product standards (layers for foundations).

DIMENSIONS – PACKAGING

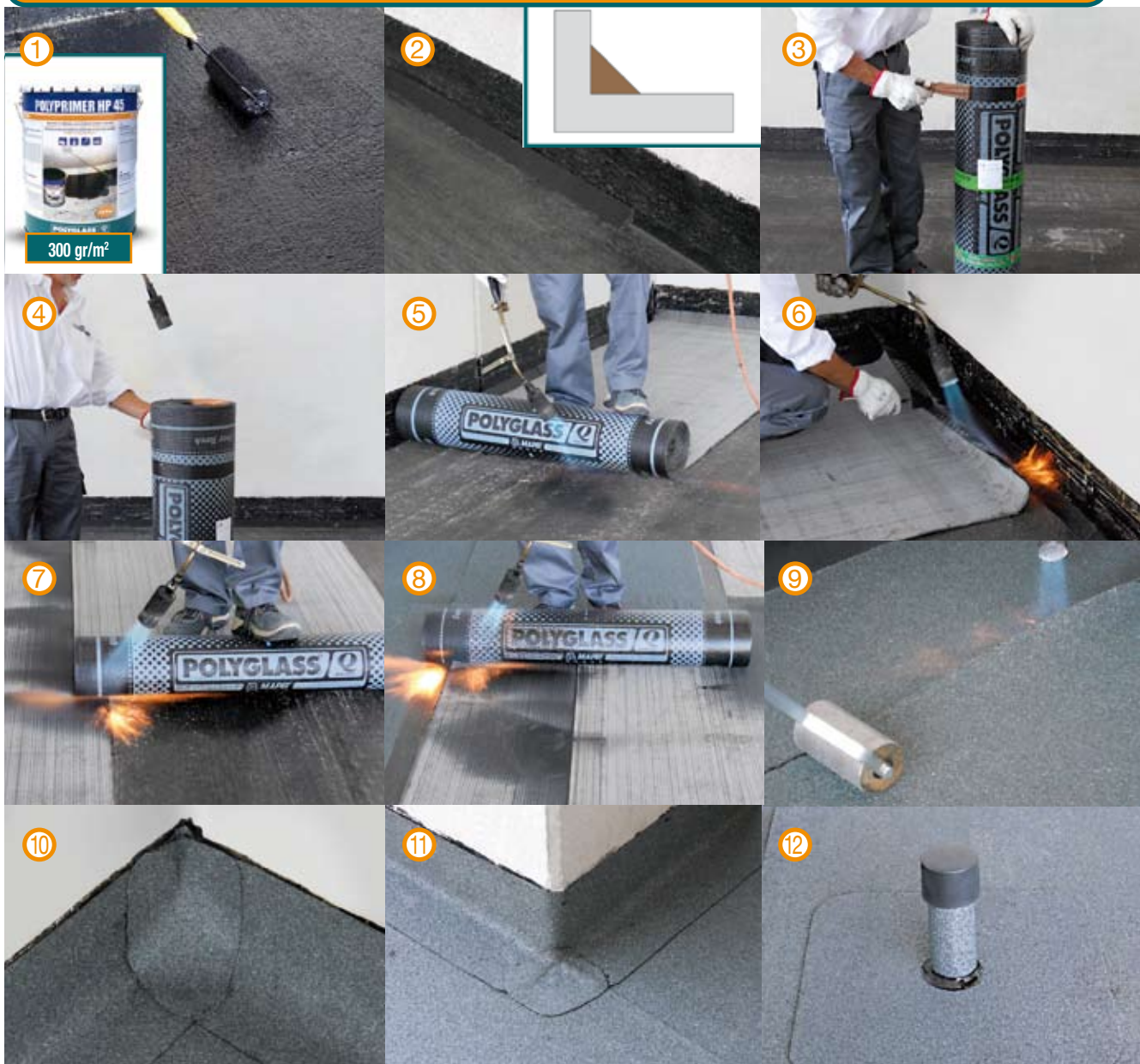
PRODUCT	THICKNESS mm	WEIGHT kg/m ²	DIMENSIONS m
FORMAT HS	-	4	1x10
FORMAT HS	4	-	1x10

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 WALKABLE ROOF
-  FLAT NON-WALKABLE ROOF
-  FLAT ROOF WITH FRETTED METAL PLATE
-  INDUSTRIAL SHIELD ROOFING
-  ARCHED ROOFING
-  PITCHED ROOFING
-  FOUNDATIONS
-  UNDERGROUND PARKING
-  ROOFTOP PARKING
-  ROOF GARDENS
-  BRIDGES AND AQUEDUCTS
-  RESERVOIRS AND CANALS
-  GALLERIES AND TUNNELS
-  RECONSTRUCTION OF WATERPROOFING MEMBRANE ONLY
-  RECONSTRUCTION WITH THERMAL INSULATION
-  SPECIAL RECONSTRUCTION
-  SPECIAL PARTS AND DETAILS
-  SPECIAL ROOFING

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.

WATERPROOFING MATERIALS AND INSULATING SYSTEMS

POLYGLASS® Q

MAPEI
GROUP

Adds value!

POLYGLASS SPA

Registered Office - Viale Jenner, 4 - 20159 MILANO

Head Office - Via dell'Artigianato, 34 - 31047 Ponte di Piave (TV) - Italy - Tel. +39 04227547 - Fax +39 0422854118

www.polyglass.com - info@polyglass.it