



COLD FLEXIBILITY

**-20 °C**

# ELASTOBOND S6 ELASTOBOND S6 mineral

**ELASTOBOND S6 and ELASTOBOND S6 MINERAL** are elastomeric waterproofing membranes with outstanding performance indicated for surfaces subject to cyclical movement.



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



*All year membranes*



*Product in compliance  
with European Standards*



*Lateral and endlap  
sealing strips*



*Polyglass is a member of  
Green Building Council*



*Easily flamed non-stick  
polyethylene film*



*Bituminous membrane  
polymeric matrix  
ageing control*



*Manufacturers of  
Bitumen Distillate  
Polymer Membranes*

**PROFESSIONAL LINE**

ROOFING AND WATERPROOFING SYSTEMS

**POLYGLASS®**



*Adds value!*

# ELASTOBOND S6 ELASTOBOND S6 mineral



## TECHNICAL DESCRIPTION

**ELASTOBOND S6** and **ELASTOBOND S6 MINERAL** are elastomeric waterproofing membranes with outstanding performance, made of a latest generation distilled bitumen-based compound and thermoplastic elastomeric resin (SBS) with elevated elasticity reinforced with a high quality polyester carrier stabilized with longitudinal glass fiber threads. In addition to being rotproof, this reinforcement gives the membrane excellent mechanical characteristics (in terms of elongation and tensile strength, resistance to puncture, and dimensional stability). The special elastomeric compound grants exceptional low temperature flexibility.

## DESTINATION

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

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

The exceptional characteristics of elasticity provided by SBS polymer suit **ELASTOBOND S6** and **ELASTOBOND S6 MINERAL** particularly to the waterproofing of (metal and prefabricated) structures subject to cyclical movement or considerable dimensional variation. Elevated chemical-physical and mechanical properties guarantee **ELASTOBOND S6 perfect adhesion to the support surfaces and between layers**. **ELASTOBOND S6** must be protected by suitably heavy protection against solar radiation. 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

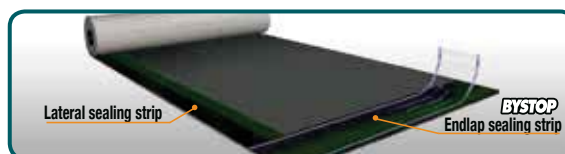
**ELASTOBOND S6** has its upperside covered with a special layer of transparent non-stick polyethylene film. Its underside is protected and faced with **POLYFLAM EasyTorch** (reduced printed area increases product adhesion film). The non-stick polyethylene film is flamed during laying. In the **MINERAL** version, the upperside is protected by an even layer of colored 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.



Non-stick polyethylene film



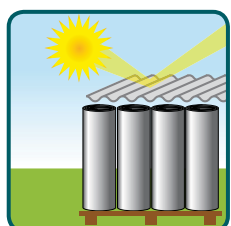
POLYFLAM *EasyTorch*



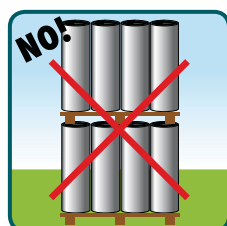
**BYSTOP** (endlap)

## STOCKING

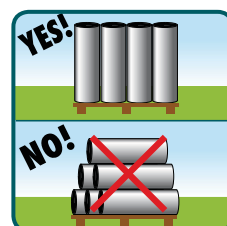
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature 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 (±0,2)	NPD
EN 1849-1	MASS PER UNIT AREA	kg/m <sup>2</sup>	NPD	5 (±5%)
EN 1928-B	WATERTIGHTNESS	kPa	Pass	Pass
EN 1928-B EN 1296	DURABILITY OF WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Pass	Pass
EN 1928-B EN 1847	DURABILITY OF WATERTIGHTNESS AGAINST CHEMICALS	kPa	Pass	Pass
EN 13897	WATERTIGHTNESS AFTER STRETCHING	%	-	-
EN 13501-5	EXTERNAL FIRE PERFORMANCE	-	-	-
EN 13501-1	REACTION TO FIRE	Euroclass	E	E
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	800 (-20%)	800 (-20%)
	Transversal	N/50 mm	600 (-20%)	600 (-20%)
	ELONGATION AT BREAK			
	Longitudinal	%	50 (-15)	50 (-15)
	Transversal	%	50 (-15)	50 (-15)
EN 12691-A	RESISTANCE TO IMPACT	mm	≥1000	≥1000
EN 12730-A	RESISTANCE TO STATIC LOADING	kg	≥15	≥15
EN 12310-1	RESISTANCE TO TEARING			
	Longitudinal	N	180 (-30%)	180 (-30%)
	Transversal	N	220 (-30%)	220 (-30%)
EN 1107-1	DIMENSIONAL STABILITY	%	≤0,3	≤0,3
EN 1108	FORM STABILITY UNDER CYCLIC TEMPERATURE CHANGE	%	-	-
EN 1109	COLD FLEXIBILITY	°C	≤-20	≤-20
EN 1110	FLOW RESISTANCE AT ELEVATED TEMPERATURE	°C	≥100	≥100
EN 1109 EN 1296	COLD FLEXIBILITY AFTER ARTIFICIAL AGEING	°C	≤-10	≤-10
EN 1297 EN 1850-1	ARTIFICIAL AGEING BEHAVIOUR (VISIBLE DEFECTS)	-	Pass	-
EN 12039	ADHESION OF GRANULES	%	-	≤30
EN 1931	WATER VAPOUR PROPERTIES	μ	20000	20000
EN 1850-1	VISIBLE DEFECTS	-	Absent	Absent

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

## DIMENSIONS - PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m <sup>2</sup>	DIMENSIONS m
ELASTOBOND S6	3	-	1x10
ELASTOBOND S6	4	-	1x10
ELASTOBOND S6	5	-	1x10
ELASTOBOND S6 MINERAL Grey	-	4	1x10
ELASTOBOND S6 MINERAL Other colours	-	4	1x10
ELASTOBOND S6 MINERAL Grey	-	4,5	1x10
ELASTOBOND S6 MINERAL Other colours	-	4,5	1x10
ELASTOBOND S6 MINERAL Grey	-	5	1x10
ELASTOBOND S6 MINERAL Other colours	-	5	1x10
ELASTOBOND S6 MINERAL Grey	4	-	1x10
ELASTOBOND S6 MINERAL Other colours	4	-	1x10

## AVAILABLE COLOURS

Upperside protected with colored mineral slate chips:



Grey

Green

Red

White

Brown

Considering the various situations of use, the numerous types of support surfaces and the possibilities for use inside, COMPLEX WATERPROOF LAYERING, Polyglass S.p.A. 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  
RECONSTRUCTION WITH THERMAL INSULATION  
SPECIAL RECONSTRUCTION



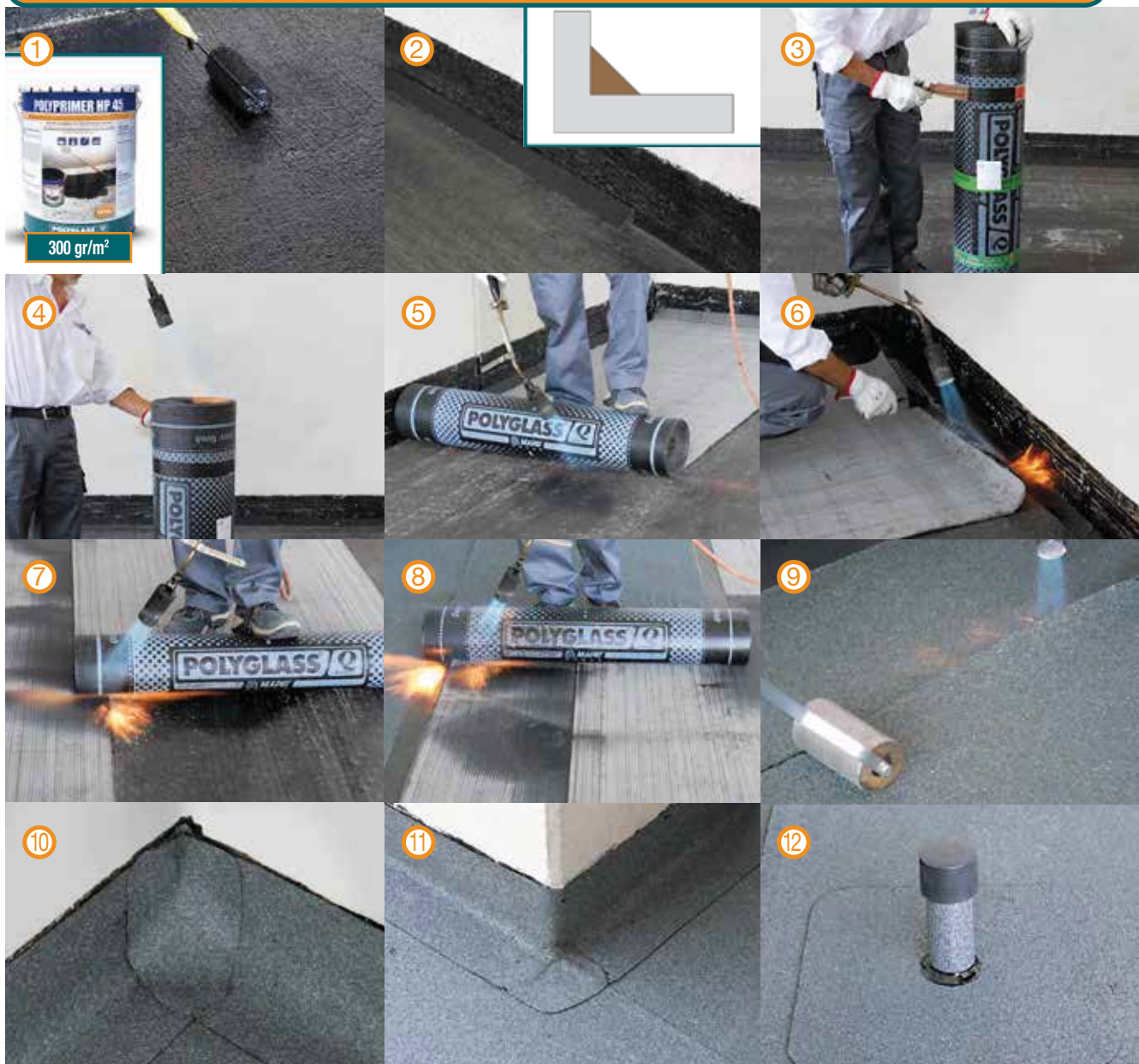
SPECIAL PARTS AND DETAILS



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.

ROOFING AND WATERPROOFING SYSTEMS



*Adds value!*

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