



COLD FLEXIBILITY
-20 °C

ELASTOBOND S6 ELASTOBOND S6 mineral

ELASTOBOND S6 and ELASTOBOND S6 MINERAL are membranes prefabricated elastomeric waterproofing high-performance, indicated for surfaces subjected to cyclic movements.



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*



Adds value!

ELASTOBOND S6 ELASTOBOND S6 mineral



TECHNICAL DESCRIPTION

ELASTOBOND S6 and **ELASTOBOND S6 MINERAL** are elastomeric waterproofing membranes prefabricated, high performance, constituted by a compound based on distilled bitumen, from resin thermoplastic elastomer (SBS) with high elasticity and armor in spunbond nonwoven fabric high weight, stabilized and reinforced with longitudinal glass fiber. This particular reinforcement, besides having no rotting, gives the membrane excellent mechanical characteristics of elongation at break and dimensional stability. The special elastomeric compound ensures exceptional features of low temperature flexibility. The cutting-edge technology with which these membranes are produced offers a guarantee of superior quality.

DESTINATION

PRODUCT	SINGLE LAYER		MULTI-LAYER				ROOT BARRIER	VAPOUR BARRIER	FOUNDATIONS		UNDER ROOFING TILES
			F.L.		U.L.				R.D.	P.	
	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 - P.: Pitch - E.: Exposed - U.H.P.: Under Heavy Protection

The excellent elasticity characteristics, due to SBS polymers, make **ELASTOBOND S6** and **ELASTOBOND S6 MINERAL** particularly suitable for waterproofing of structures (metal or prefabricated structures, walkable flat roofs and not, barrel vaults, domes shed) subject to cyclical movements or significant dimensional changes. 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.

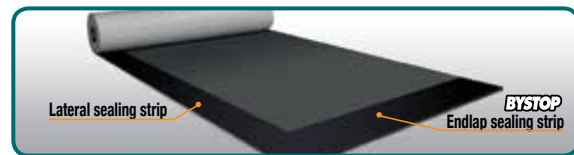
In the **MINERAL** version, the upperside is protected by an even layer of colored or natural mineral slate chips and features (**BYSTOP** patented) lateral and endlap sealing strip for easy overlapping. Support surfaces must be dry, clean, and sufficiently smooth and level. Application is made by light flaming with propane gas. Laying is quick and easy.



Non-stick polyethylene film



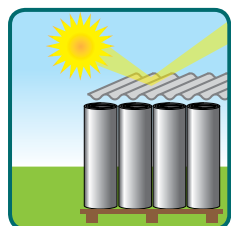
POLYFLAM *EasyTorch*



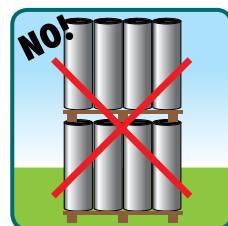
BYSTOP (endlap)

STOCKING

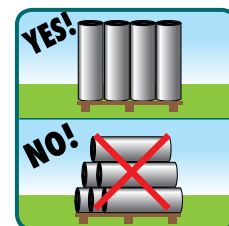
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature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

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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 ²	NPD	5 (±5%)
EN 1928-B	WATERTIGHTNESS	kPa	Pass	Pass
EN 1928-B EN 1296	WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Pass	Pass
EN 1928-B EN 1847	WATERTIGHTNESS AGAINST CHEMICAL	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	-	-
EN 12311-1	TENSILE PROPERTIES			
	MAXIMUM LOAD AT BREAK			
	Longitudinal	N/50 mm	800 (-20%)	800 (-20%)
	Transversal	N/50 mm	600 (-20%)	600 (-20%)
EN 12691-A	ELONGATION AT BREAK			
	Longitudinal	%	50 (-15)	50 (-15)
	Transversal	%	50 (-15)	50 (-15)
	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	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	≤-10	≤-10
EN 1297	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

ELASTOBOND S6

ELASTOBOND S6 MINERAL

In compliance with EN 13707 product standards (layers for roofing) and EN 13969 Type T product standards (layers for foundations). ELASTOFLEX S6 membranes match the AS4654.1-2012 (Australian Standards - Waterproofing membranes for external above-ground use Materials). ELASTOFLEX S6 membranes pass the Ultraviolet Resistance test, the Heat Aging test, as well as the Cyclic Movement test.

ADDITIONAL CHARACTERISTICS

STANDARDS	PROPERTIES	VALUE
AS 4654.1	ULTRAVIOLET RESISTANCE	=> pass
AS 4654.1	HEAT AGEING	=> pass
AS 4654.1	CYCLIC MOVEMENT	=> pass

DIMENSIONS - PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m ²	DIMENSIONS m
ELASTOBOND S6	3	-	1x10
ELASTOBOND S6	4	-	1x10
ELASTOBOND S6	5	-	1x10
ELASTOBOND S6 MINERAL	-	4	1x10
ELASTOBOND S6 MINERAL	-	4,5	1x10
ELASTOBOND S6 MINERAL	-	5	1x8
ELASTOBOND S6 MINERAL	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 SpA cannot assume any liability for damages derived from the product's results in terms of function or aesthetics. Rev. 1-17



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



BRIGDES AND VIADUCTS



RESERVOIRS AND CANALS



GALLERY AND TUNNEL



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



DETAILS

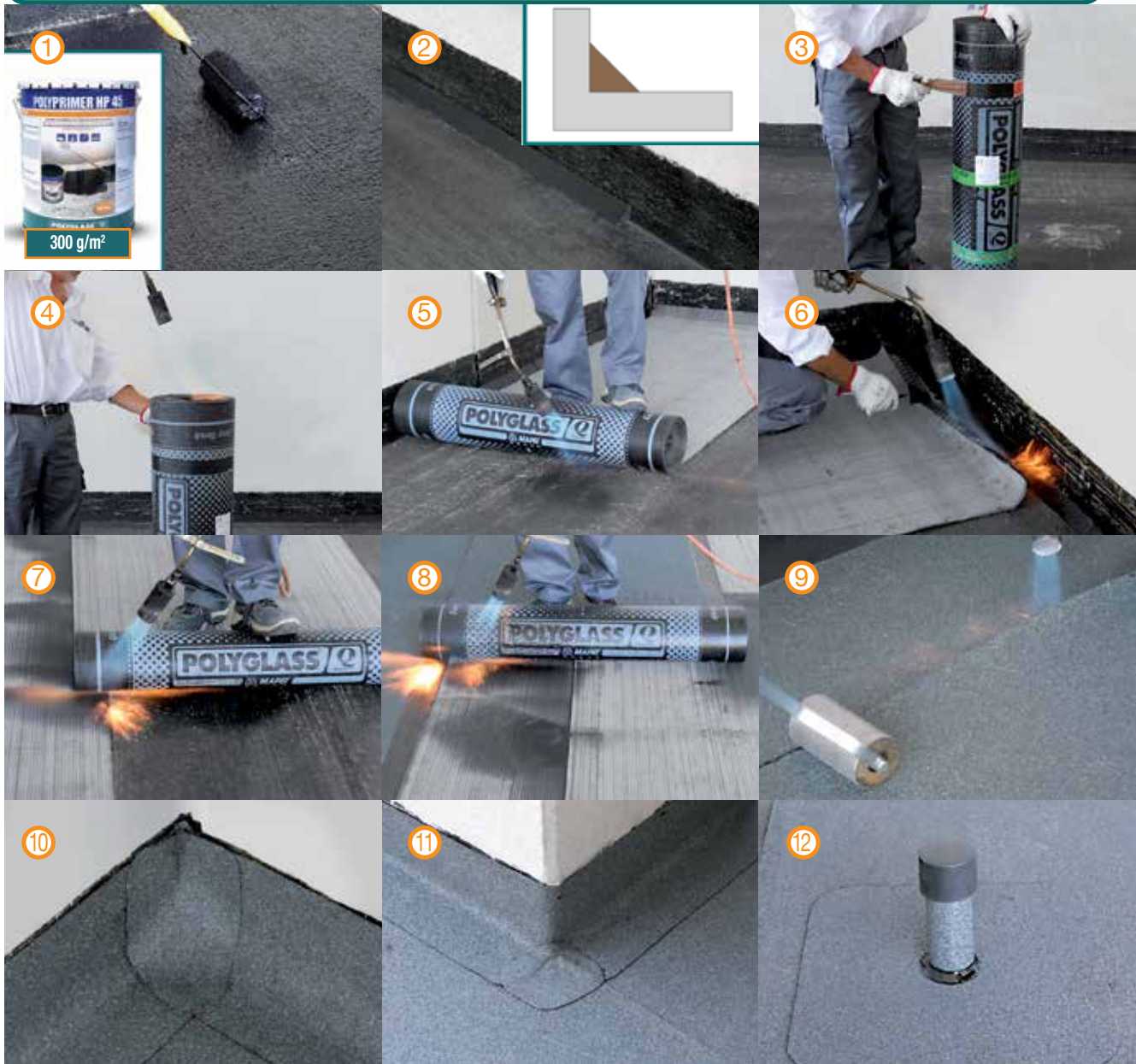


SPECIAL ROOFS

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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.

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Adds value!

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