



COLD FLEXIBILITY
-20 °C

FLEXO S6 FLEXO S6 mineral

FLEXO S6 and FLEXO S6 MINERAL are high performance prefabricated elastomeric waterproofing membranes, made up of a special compound of distilled bitumen and a highly flexible reconstituted elastomeric thermoplastic resin (SBS) with a reinforcement made of non-woven polyester filament.



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.

PROFESSIONAL LINE

WATERPROOFING MATERIALS AND INSULATING SYSTEMS

POLYGLASS®



Adds value!

FLEXO S6 FLEXO S6 mineral



TECHNICAL DESCRIPTION

FLEXO S6 and **MINERAL FLEXO S6** are high performance prefabricated elastomeric waterproofing membranes, made up of a special compound of distilled bitumen and a highly flexible reconstituted elastomeric thermoplastic resin (SBS) with a reinforcement made of non-woven polyester filament. This particular reinforcement, besides being rot resistant, gives the membrane excellent mechanical characteristics, elongation qualities and higher puncturing resistance. The special elastomeric compound guarantees excellent flexibility even at low temperatures. The advanced production technology that these membranes are made with guarantees a superior quality product.

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.					
4 kg					•						
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

The excellent elasticity characteristics, due to SBS polymers, make **FLEXO S6** and **MINERAL FLEXO S6** particularly suitable for waterproofing structures subject to cyclic movements or substantial dimensional changes (metal or prefabricated structures, walkable or non walkable terraces, domes or shed roofs). The chemical-physical and the mechanical properties of this membrane guarantee perfect adhesion to the support and between the layers.

FLEXO S6 must be kept away from sun light with the correct protection.

APPLICATION: INSTRUCTIONS AND RECOMMENDATIONS

FLEXO S6 is produced with an upperside covered in a special anti-adhesive transparent polythene film. The underside is covered and protected with **POLYFLAM EasyTorch** (with an improved quality of polythene film on the under side to increase the product's adhesive properties) the special anti-adhesive film to be torched during application. In the MINERAL version, the top surface is covered by a uniform layer of registered patent).

Surfaces to be waterproofed should be dry, clean and sufficiently smooth or levelled.

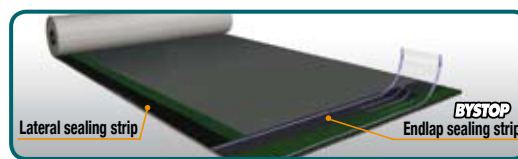
The membrane is applied by torching it with a light propane gas flame. Application is quick and easy.



Anti-adhesive polythene film



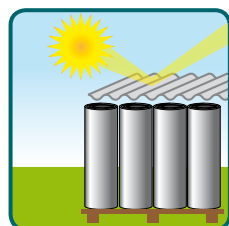
POLYFLAM *EasyTorch*



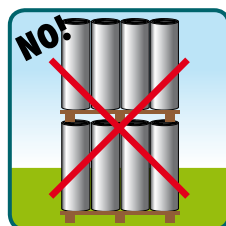
BYSTOP (endlap)

STOCKING

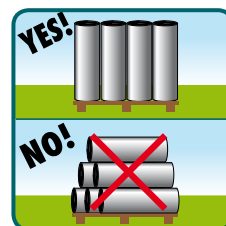
Keep the products packed in the carton box in a dry place, away from direct sunlight. Do not place the pallets, one on top of another and the rolls must always be stocked in a vertical position. The contact with solvents and organic liquids may damage the product. Avoid application if the temperature 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 ²	NPD	4 (±10%)
EN 1928-B	WATERTIGHTNESS	kPa	Exceeds	Exceeds
EN 1928-B	WATERTIGHTNESS AGAINST ARTIFICIAL AGEING	kPa	Exceeds	Exceeds
EN 1928-B	WATERTIGHTNESS AGAINST CHEMICAL	kPa	Exceeds	Exceeds
EN 1847	WATERTIGHTNESS AFTER STRETCHING	%	-	-
EN 13897	EXTERNAL FIRE PERFORMANCE	-	F _{Roof}	F _{Roof}
EN 13501-5	REACTION TO FIRE	Euroclasse	F	F
EN 12316	PEEL RESISTANCE	N/50 mm	NPD	NPD
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			
EN 12311-1	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%)
EN 12310-1	Transversal	N	130 (-30%)	130 (-30%)
	DIMENSIONAL STABILITY	%	≤0,3	≤0,3
EN 1107-1	FORM STABILITY UNDER CYCLIC TEMPERATURE CHANGE	%	-	-
EN 1108	COLD FLEXIBILITY	°C	≤-20	≤-20
EN 1109	FLOW RESISTANCE AT ELEVATED TEMPERATURE	°C	≥100	≥100
EN 1109	ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	°C	≤-5	≤-5
EN 1296	ARTIFICIAL AGEING BEHAVIOUR (VISIBLE DEFECTS)	-	NPD	-
EN 1297	ADHESION OF GRANULES	%	-	≤30
EN 12039	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 product standards (layers for 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.

DIMENSIONS – PACKAGING

PRODUCT	THICKNESS mm	WEIGHT kg/m ²	DIMENSIONS m
FLEXO S6	-	4	1x10
FLEXO S6	3	-	1x10
FLEXO S6	4	-	1x10
FLEXO S6 MINERAL (Grey)	-	4	1x10
FLEXO S6 MINERAL (Other colors)	-	4	1x10
FLEXO S6 MINERAL (Grey)	-	4,5	1x10
FLEXO S6 MINERAL (Other colors)	-	4,5	1x10

AVAILABLE COLOURS

Upperside protected with colored mineral slate chips:



Grey

Green

Red

White

Brown



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)



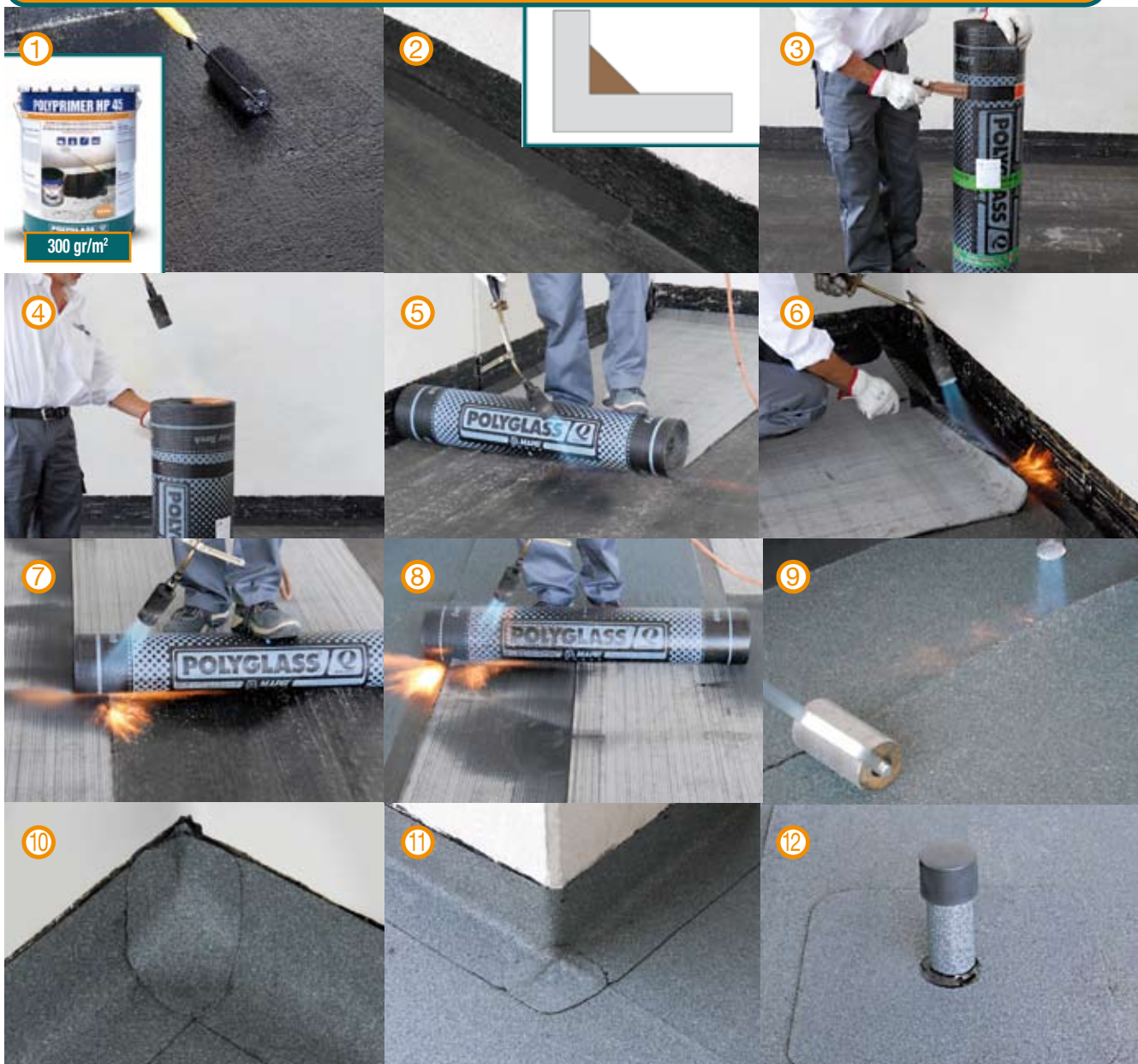
SPECIAL PARTS AND DETAILS



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 Applicare il secondo telo con cimosa adeguata.
- 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

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