

## COMPOSITION

TPO modified polyolefin synthetic membrane obtained by co-extrusion, dimensionally stabilized by a glass fiber and coupled on the back sheet with a non woven polyester felt.

The upper sand grey layer has a high resistance to weather agents and UV rays.

Manufactured in a plant certified by UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (environmental management system).

Laying performed by technicians approved by Flag S.p.A. Finishing and accessories composed by elements produced and approved by Flag S.p.A.

## FEATURES

- Weatherproof and UV resistance
- Dimensional stability
- Mechanical resistance and resistance to punching
- Flexibility at low temperatures
- Excellent welding capacity
- Membrane with high environmental compliance

## AREAS OF USE

### ROOFING

- Total adherence on horizontal surfaces (gluing on insulation panels or gluing on concrete ceilings)
- Total adherence in case of refurbishment on existing bituminous roofing.

## PROPERTIES

		EP/PV-F 120	EP/PV-F 150	EP/PV-F 180	EP/PV-F 200	Test method
Thickness	(mm)	1,20	1,50	1,80	2,00	UNI EN 1849-2
Weight	(kg/m <sup>2</sup> )	1,35	1,60	1,90	2,05	UNI EN 1849-2
Tensile strength	(N/5cm)	≥ 550	≥ 650	≥ 800	≥ 850	UNI EN 12311-2
Elongation to break	(%)	≥ 350	≥ 350	≥ 350	≥ 350	UNI EN 12311-2
Tear resistance	(N)	≥ 200	≥ 250	≥ 300	≥ 340	UNI EN 12310-2
Resistance to impact	(mm)	≥ 450	≥ 800	≥ 900	≥ 1250	UNI EN 12691
Cold bending	(°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	UNI EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)		waterproof	waterproof	waterproof	waterproof	UNI EN 1928 met. B
Dimensional stability	(%)	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	UNI EN 1107-2
Resistance to artificial weathering	(UV)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	UNI EN 1297
Hail resistance (rigid support)	(mm)	≥ 25	≥ 25	≥ 25	≥ 25	UNI EN 13583
Resistance to static punching	(kg)	≥ 20	≥ 20	≥ 20	≥ 20	UNI EN 12730

## PRODUCTION STANDARD

Thickness	1,20 mm	1,50 mm	1,80 mm	2,00 mm	
Width	2,10 m	2,10 m	2,10 m	2,10 m	
Length	20 m	20 m	20 m	20 m	
Colour	SAND GREY				

*Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as a waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fumes washing system. The data herewith indicated, apart from those required by EC branding, are not exhaustive and Flag SpA may modify them without previous notice. Flag SpA, has the right to modify the product at any time and without previous notice, in any of its aspect, and to stop its production.*

EC certification complying with standard EN 13956 – no. 1085 –CDP - 0011