

COMPOSITION

Modified polyolefin TPO synthetic membrane obtained by co-extrusion reinforced by a polyester mesh, coupled on the back sheet with a 200 g/m² polyester non-woven felt.

The upper, visible, sand grey layer has a very 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).

Setting 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
- Resistant to wind stress
- Mechanical resistance and resistance to punching
- Adaptability to structural movements
- Flexibility at low temperatures
- Excellent welding capacity
- Membrane with high environmental compliance

AREAS OF USE

ROOFING

- Exposed roofs, with mechanical fastening system
- Mixed solutions: mechanical fastening system + gluing

PROPERTIES

		EP/PR-F 120	EP/PR-F 150	EP/PR-F 180	EP/PR-F 200	Metodo di prova
Thickness	(mm)	1,20	1,50	1,80	2,00	UNI EN 1849-2
Weight	(kg/m ²)	1,35	1,60	1,88	2,05	UNI EN 1849-2
Tensile strength	(N/5cm)	≥ 1100	≥ 1100	≥ 1100	≥ 1100	UNI EN 12311-2
Elongation to break	(%)	≥ 15	≥ 15	≥ 15	≥ 15	UNI EN 12311-2
Tear resistance	(N)	≥ 300	≥ 300	≥ 300	≥ 300	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	(%)	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	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