

FLAGON EP/PR-F

TECHNICAL DATA SHEET APTDS-E-170-01

DESCRIPTION

FLAGON EP/PR-F is a TPO modified polyolefin synthetic membrane obtained by co-extrusion, reinforced by a polyester mesh, coupled on the back sheet with a 200 g/m² non-woven 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). Setting performed by applicators 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
- Excellent flexibility at low temperatures

AREA OF USE

ROOFING

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

PRODUCTION STANDARDS

	FLAGON EP/PR-F			
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
Number of rolls on each pallet	12	12	12	12
Length	25 m	20 m	20 m	20 m
Colour (surface / underside)	SAND GREY / TNT			

CE MARKING

Unique identification code of the product-type: WPSIT0029

FLAGON EP/PV-F membranes are produced by the FLAG Spa factory (SOPREMA group) in Chignolo d'Isola (Italy) and are CE marked no.1085-CPR-011 in accordance with EN 13956:2012.

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PROPERTIES

Properties	FLAGON EP/PR-F				Test method
	EP/PV-F 1.20	EP/PV-F 1.50	EP/PV-F 1.80	EP/PV-F 2.00	
Thickness (mm)	1.20	1.50	1.80	2.00	EN 1849-2
Weight (kg/m ²)	1.35	1.60	1.88	2.05	EN 1849-2
Tensile strength (N/5cm)	≥ 1100	≥ 1100	≥ 1100	≥ 1100	EN 12311-2
Elongation to break (%)	≥ 15	≥ 15	≥ 15	≥ 15	EN 12311-2
Tear resistance (N)	≥ 300	≥ 300	≥ 300	≥ 300	EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	EN 12691
Cold bending (°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproof	waterproof	waterproof	waterproof	EN 1928 met. B
Dimensional stability (%)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	EN 1107-2
Resistance to artificial weathering (UV)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	EN 1297
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance	E	E	E	E	EN ISO 11925-1 EN 13501-1

(All values are nominal)