

FLAGON EP/PV-F

TECHNICAL DATA SHEET APTDS-E-171-01

DESCRIPTION

FLAGON EP/PV-F is a 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 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 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
- Dimensional stability
- Mechanical resistance and resistance to punching
- Excellent flexibility at low temperatures

AREA OF USE

ROOFING

- Total adherence on horizontal surfaces for:
 - gluing on insulating panels
 - gluing on concrete ceilings
 - gluing on existing waterproofing covering

PRODUCTION STANDARDS

	FLAGON EP/PV-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: WPSIT0031

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. and no.1085-CPR-0037 in accordance with EN 13967:2012.

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PROPERTIES

Properties	FLAGON EP/PV-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	1.70	2.00	2.15	EN 1849-2
Tensile strength (N/5cm)	≥ 550	≥ 650	≥ 800	≥ 850	EN 12311-2
Elongation to break (%)	≥ 350	≥ 350	≥ 350	≥ 350	EN 12311-2
Tear resistance (N)	≥ 200	≥ 250	≥ 300	≥ 340	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 (%)	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	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)