

FLAGON EP/PV-F

TPO modified polyolefin synthetic membrane


 BRANZ Appraised
Appraisal No.1157 [2021]

 BRANZ Appraised
Appraisal No.1169 [2021]

Description:

TPO modified polyolefin synthetic membrane obtained by co-extrusion, dimensionally stabilised by a glass fibre 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 SOPREMA srl. Finishing and accessories composed by elements produced and approved by SOPREMA srl.

Features:

- Weatherproof and UV resistance
- Dimensional stability
- Mechanical resistance and resistance to punching
- Excellent flexibility at low temperatures

Areas of Use:

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

Properties:

	PE/PV-F 1.20	EP/PV-F 1.50	EP/PV-F 1.80	EP/PV-F 2.00	Test Method
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 11925-2 EN13501

Production Standard:

	1.20 mm	1.50 mm	1.80 mm	2.00 mm	
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	

System data sheet:

- 2b4-2b5; exposed not-accessible roofing
- 4b1-4b2; refurbishment of existing waterproofing

CE Marking:

Unique identification code of the product type: WPASIT0031
FLAGON EP/PV-F membranes are produced by the company SOPREMA srl 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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