

FLAGON EP/PR

TPO modified polyolefin synthetic membrane



Description:

Synthetic membrane manufactured in TPO modified polyolefin, double colour sand-grey/black, obtained by co extrusion, reinforced by a polyester mesh.

The upper sand grey layer is featured by a very high resistance to weather and UV rays, while the underlying black layer is punching resistant.

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
- Resistant to wind stress
- Mechanical resistance and resistance to punching
- Adaptability to structural movements
- Flexibility at low temperatures

Areas of Use:

ROOFING

- Exposed roof, with mechanical fastening system

Properties:

	PE/PR 1.20	EP/PR 1.50	EP/PR 1.80	EP/PR 2.00	Test Method
Thickness (mm)	1.20	1.50	1.80	2.00	EN 1849-2
Weight (kg/m ²)	1.15	1.40	1.68	1.85	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 (%)	≤ - 0.15	≤ - 0.5	≤ - 0.15	≤ - 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 root penetration	No penetration	No penetration	No penetration	No penetration	13948
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance	E	E	E	E	EN ISO 11925-2 EN13501-1

Production Standard:

Thickness	1.20 mm		1.50 mm		1.80 mm		2.00 mm	
	1.05 m	2.10 m	1.05 m	2.10 m	1.05 m	2.10 m	1.05 m	2.10 m
Width	1.05 m	2.10 m	1.05 m	2.10 m	1.05 m	2.10 m	1.05 m	2.10 m
Number of rolls on each pallet	46	23	46	23	36	18	36	18
Length	25 m		20 m		20 m		20 m	
Colour (surface / underside)	SAND GREY / BLACK							

System data sheet:

- 2b1-2b2-2b3; exposed not-accessible roofing
- 4a1-4a2; refurbishment of existing waterproofing

Health, Environment and Safety:

For more information, please refer to the relevant safety data sheet.

CE Marking:

Unique identification code of the product type: WPASIT0028
FLAGON EP/PR membranes are produced by the company 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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