

FLAGON EP/PV

TPO modified polyolefin synthetic membrane



Description:

Synthetic membrane manufactured in TPO modified polyolefin, double colour sand-grey/black, obtained by co extrusion, dimensionally stabilised by a glass fibre. The upper sand grey layer is featured by a very high resistance to weather agents 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 SOPREMA srl. Finishing and accessories composed by elements produced and approved by SOPREMA srl.

Properties:

	PE/PV 1.20	EP/PV 1.50	EP/PV 1.80	EP/PV 2.00	EP/PV 2.40	Test Method
Thickness (mm)	1.20	1.50	1.80	2.00	2.40	EN 1849-2
Weight (kg/m ²)	1.15	1.40	1.68	1.85	2.42	EN 1849-2
Tensile strength (N/mm ²)	≥ 9.0	≥ 9.0	≥ 9.0	≥ 9.0	≥ 9.0	EN 12311-2
Elongation to break (%)	≥ 550	≥ 550	≥ 550	≥ 550	≥ 550	EN 12311-2
Tear resistance (N)	≥ 130	≥ 165	≥ 195	≥ 220	≥ 240	EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	≥ 1500	EN 12691
Cold bending (°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0.5 Mpa)	Waterproofing	Waterproofing	Waterproofing	Waterproofing	Waterproofing	EN 1928 met. B
Dimensional stability (%)	≤ - 0.1	≤ - 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	No surface cracking	EN 1297
Resistance to root penetration	No penetration	No penetration	No penetration	No penetration	No penetration	13948
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance	E	E	E	E	E	EN ISO 11925-2 EN13501

Features:

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

Areas of Use:

- Ballasted with fixed and mobile ballast:
 - pedestrian roofing and not-accessible roofing
 - green roof
 - roof gardens
- Vertical finishing, junction bands

Production Standard:

Thickness	1.20 mm	1.50 mm	1.80 mm	2.00 mm	2.40 mm
Width	2.10 m	2.10 m	2.10 m	2.10 m	2.10 m
Number of rolls on each pallet	12	12	12	12	12
Length	25 m	20 m	20 m	20 m	20 m

System data sheet: * 2a1-2a2-2a3; not-accessible roofing ballasted by gravel * 2c1-2c2-2c3; not-accessible roofing green roof *3a1-3a2-3a3; pedestrian trafficable roofing with loose lay paving * 3b1-3b2-3b3; pedestrian trafficable roofing with traditional paving *3d1-3d2-3d3; roofing with roof garden

CE Marking:

Unique identification code of the product type: WPASIT0030
FLAGON EP/PV 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.

Equus Industries Ltd
PO Box 601
Blenheim
Phone: 03 578 0214
Email: admin@equus.nz
Website: www.equus.nz
February 2022