

FLAGON SV

TECHNICAL DATA SHEET APTDS-E-25-01

DESCRIPTION

FLAGON SV is Synthetic membrane in PVC-P dimensionally stabilized by glass fiber.

Manufactured by coextrusion or cast process in a plant certified 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.

Note: the membranes produced by coextrusion and by cast process may have different surface finishes and shades.

FEATURES

- Weatherproof and UV resistance
- Dimensional stability
- Resistant to puncturing
- Adaptability to structural movements
- Flexibility at low temperatures

AREA OF USE

ROOFING

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

PRODUCTION STANDARDS

	FLAGON SV				
Thickness	1,20 mm	1,50 mm	1,80 mm	2,00 mm	2,40 mm
Width cast process	1,60 m	1,60 m	1,60 m	1,60 m	1,60 m
Number of rolls on each pallet	23	23	23	18	18
Width coextrusion	2.1 m	2.1 m	2.1 m	2.1 m	2.1 m
Number of rolls on each pallet	14	14	14	14	14
Length	20 or 25 m	20 m	20 m	20 m	20 m
Colour (surface / underside)	LIGHT GREY / DARK GREY				

CE MARKING

Unique identification code of the product-type: WPSIT0056

FLAGON SV membranes are produced by the FLAG Spa factory (SOPREMA group) in Chignolo d'Isola (Italy) and Villa Santo Stefano are CE marked no.1085-CPR-010 (Chignolo) and no. 1085-CPR-018 (Villa S.Stefano) in accordance with EN 13956:2012 and no.1085-CPR-0036 in accordance with EN 13967:2012.

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PROPERTIES

Properties	FLAGON SV					Test method
	SV 1.20	SV 1.50	SV 1.80	SV 2.00	SV 2.40	
Thickness (mm)	1.20	1.50	1.80	2.00	2.40	EN 1849-2
Weight (kg/m ²)	1.50	1.80	2.15	2.40	2.90	EN 1849-2
Tensile strength (N/mm ²)	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	EN 12311-2 met.B
Elongation to break (%)	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	EN 12311-2 met.B
Tear resistance (N)	≥ 110	≥ 135	≥ 160	≥ 170	≥ 200	EN 12310-2
Tear resistance - longitudinal (N) - transversal (N)	> 400 > 300	> 400 > 300	> 400 > 300	> 400 > 300	> 400 > 300	EN 12310-1
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	≥ 1500	EN 12691 met.A
Cold bending (°C)	≤ - 25	≤ - 25	≤ - 25	≤ - 25	≤ - 25	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproof	waterproof	waterproof	waterproof	waterproof	EN 1928 met. B
Dimensional stability after 6 hours at 80°C (%)	≤ 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 roots penetration	no penetration	no penetration	no penetration	no penetration	no penetration	EN 13948
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance	E	E	E	E	E	EN ISO 11925-1 EN 13501-1

(All values are nominal)