

FLAGON SR

TECHNICAL DATA SHEET APTDS-E-24-03

DESCRIPTION

FLAGON SR is PVC-P synthetic membrane reinforced with polyester mesh, with signal layer. Manufactured by coextrusion process. Setting performed by applicators approved by **SOPREMA**. Finishing and accessories composed by elements produced and approved by **SOPREMA**.

FEATURES

- Resistant to wind stress
- Weatherproof and UV resistance
- High mechanical resistance
- Resistant to puncturing
- RAL colouring available on request for landscape or architectural purposes

AREA OF USE

- ROOFING (Exposed roof, with mechanical fastening system)
- WATER TANK

PRODUCTION STANDARDS

	FLAGON SR			
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	14	14	14	14
Length	20 or 25 m	20 m	20 m	20 m
Colour (surface / underside)	LIGHT GREY / DARK GREY			

APPROVAL/STANDARD

FLAGON SR is designed and manufactured to meet international standards:

Polymeric sheets for roof waterproofing according to EN 13956,

Polymeric PVC sheets for waterproofing according to GB 12952, Type P.

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PROPERTIES

Properties	FLAGON SR				Test method
	SR 1.20	SR 1.50	SR 1.80	SR 2.00	
Thickness (mm)	1.20	1.50	1.80	2.00	EN 1849-2
Weight (kg/m ²)	1.50	1.80	2.15	2.40	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)	≥ 200	≥ 200	≥ 200	≥ 200	EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	EN 12691
Cold bending (°C)	≤ - 25	≤ - 25	≤ - 25	≤ - 25	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproof	waterproof	waterproof	waterproof	EN 1928 met. B
Dimensional stability after 6 hours at 80°C (%)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 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 roots penetration	no penetration	no penetration	no penetration	no penetration	EN 13948
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)