

# FLAGON SR TROPIC

TECHNICAL DATA SHEET APTDS-E-158-03

## DESCRIPTION

**FLAGON SR TROPIC** 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
- Extremely resistant to attacks by biological organisms such as fungus, bacteria and spores
- High resistance to attack by micro-organisms

## AREA OF USE

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

## PRODUCTION STANDARDS

	FLAGON SR TROPIC	
Thickness	1.50 mm	2.00 mm
Width	2.0/2.1 m	2.0/2.1 m
Number of rolls on each pallet	14	14
Length	20 m	20 m
Colour (surface / underside)	LIGHT GREY / DARK GREY	

## APPROVAL/STANDARD

**FLAGON SR TROPIC** 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 TROPIC		
	SR TROPIC 1.50	SR TROPIC 2.00	Test method
Thickness (mm)	1.50	2.00	EN 1849-2
Weight (kg/m <sup>2</sup> )	1.80	2.40	EN 1849-2
Tensile strength (N/5cm)	≥ 1100	≥ 1100	EN 12311-2
Elongation to break (%)	≥ 15	≥ 15	EN 12311-2
Tear resistance (N)	≥ 200	≥ 200	EN 12310-2
Resistance to impact (mm)	≥ 600	≥ 800	EN 12691
Cold bending (°C)	≤ - 25	≤ - 25	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproof	waterproof	EN 1928 met. B
Dimensional stability after 6 hours at 80°C (%)	≤ 0.5	≤ 0.5	EN 1107-2
Resistance to artificial weathering (UV)	no surface cracking	no surface cracking	EN 1297
Resistance to roots penetration	no penetration	no penetration	EN 13948
Resistance to static punching (kg)	≥ 20	≥ 20	EN 12730
Fire resistance	E	E	EN ISO 11925-1 EN 13501-1
Fungus resistance	Rating 0 (no fungal growth)		ASTM G21-15

(All values are nominal)