

## Technical Data Sheet N° WPSIT0051-14.02

### DESCRIPTION

PVC-P synthetic membrane reinforced with polyester mesh, with signal layer.

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

- 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

### PROPERTIES

	SR 1,20	SR 1,50	SR 1,80	SR 2,00	Test method
Thickness (mm)	1,20	1,50	1,80	2,00	UNI EN 1849-2
Weight (kg/m <sup>2</sup> )	1,50	1,80	2,15	2,40	UNI EN 1849-2
Tensile strength (N/5cm)	≥ 1100	≥ 1100	≥ 1100	≥ 1100	UNI EN 12311-2
Elongation to break (%)	≥ 15	≥ 15	≥ 15	≥ 15	UNI EN 12311-2
Tear resistance (N)	≥ 200	≥ 200	≥ 200	≥ 200	UNI EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	UNI EN 12691
Cold bending (°C)	≤ - 25	≤ - 25	≤ - 25	≤ - 25	UNI EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproof	waterproof	waterproof	waterproof	UNI EN 1928 met. B
Dimensional stability after 6 hours at 80°C (%)	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	UNI EN 1107-2
Resistance to artificial weathering (UV)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	UNI EN 1297
Resistance to roots penetration	no penetration	no penetration	no penetration	no penetration	UNI EN 13948
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	UNI EN 12730

### PRODUCTION STANDARDS

Thickness	1,20 mm			1,50 mm			1,80 mm			2,00 mm			
Width cast process	1,60 m			1,60 m			1,60 m			1,60 m			
Number of rolls on each pallet	23			23			23			18			
Width coextrusion	1,05 m	1,60 m	2,10 m	1,05 m	1,60 m	2,10 m	1,05 m	1,60 m	2,10 m	1,05 m	1,60 m	2,10 m	
Number of rolls on each pallet	28	23	14	28	23	14	28	23	14	28	18	14	
Length	m 20 or 25			m 20			m 20			m 20			
Colour (surface / underside)	LIGHT GREY / DARK GREY												

**System data sheet:** • 2b1-2b2-2b3; exposed not-accessible roofing • 4a1-4a2; refurbishment of existing waterproofing

### CE MARKING

Unique identification code of the product-type: WPSIT0051

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

Due to its formulation, the liner is NOT subject to the requirements set forth in the CLP Regulation (EC) No 1272/2008 and EU n° 487/2013 and subsequent amendments on dangerous substances. If the product should be disposed of as a waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fumes washing system.

The data herewith indicated, apart from those required by EC branding, are not exhaustive and Flag SpA may modify them without previous notice. Flag SpA, has the right to modify the product at any time and without previous notice, in any of its aspect, and to stop its production.

Flag SpA reserves the right, as technology and know-how progress, to modify without warning the composition and conditions of use of its materials, and subsequently their price. As a result, orders shall only be accepted on the basis of the terms and technical specifications applicable at the time of receipt.