

**Technical Data Sheet N° WPSIT0029.a**  
 Cancels and replaces WPSIT0029-17.03

## DESCRIPTION

Modified polyolefin TPO synthetic membrane obtained by co-extrusion reinforced by a polyester mesh, coupled on the back sheet with a 200 g/m<sup>2</sup> non-woven felt.

The upper, visible, sand grey layer has a very high resistance to weather agents and UV rays.

Manufactured in a plant certified by UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (environmental management system).

Setting performed by applicators approved by Soprema srl. Finishing and accessories composed by elements produced and approved by Soprema srl.

## FEATURES

- Weatherproof and UV resistance
- Resistant to wind stress
- Mechanical resistance and resistance to punching
- Adaptability to structural movements
- Excellent flexibility at low temperatures

## AREAS OF USE

### ROOFING

- Exposed roofs, with mechanical fastening system
- Mixed solutions: mechanical fastening system + gluing

## PROPERTIES

		EP/PR-F 1,20	EP/PR-F 1,50	EP/PR-F 1,80	EP/PR-F 2,00	Test method
Thickness	(mm)	1,20	1,50	1,80	2,00	EN 1849-2
Weight	(kg/m <sup>2</sup> )	1,35	1,60	1,88	2,05	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)	≥ 300	≥ 300	≥ 300	≥ 300	EN 12310-2
Resistance to impact	(mm)	≥ 450	≥ 800	≥ 900	≥ 1250	EN 12691
Cold bending	(°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0.5 Mpa)		waterproof	waterproof	waterproof	waterproof	EN 1928 met. B
Dimensional stability	(%)	≤ 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 static punching	(kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance		E	E	E	E	EN SO 11925-2 EN 13501-1

## PRODUCTION STANDARD

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	12	12	12	12	
Length	25 m	20 m	20 m	20 m	
Colour (surface / underside)	<b>SAND GREY / TNT</b>				

## CE MARKING

Unique identification code of the product-type: WPSIT0029

FLAGON EP/PR-F 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.

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 SOPREMA srl may modify them without previous notice. SOPREMA srl, has the right to modify the product at any time and without previous notice, in any of its aspect, and to stop its production.

SOPREMA srl 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.