

## Technical Data Sheet N° WPSIT0031.a

Cancels and replaces WPSIT0031-17.03

### DESCRIPTION

TPO modified polyolefin synthetic membrane obtained by co-extrusion, dimensionally stabilized by a glass fiber and coupled on the back sheet with a non woven felt.

The upper sand grey layer has a 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).

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

### FEATURES

- Weatherproof and UV resistance
- Dimensional stability
- Mechanical resistance and resistance to punching
- Excellent flexibility at low temperatures

### AREAS OF USE

#### ROOFING

- Total adherence on horizontal surfaces for:
  - gluing on insulating panels
  - gluing on concrete ceilings
  - gluing on existing waterproofing covering

### PROPERTIES

		EP/PV-F 1,20	EP/PV-F 1,50	EP/PV-F 1,80	EP/PV-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	1,70	2,00	2,15	EN 1849-2
Tensile strength	(N/5cm)	≥ 550	≥ 650	≥ 800	≥ 850	EN 12311-2
Elongation to break	(%)	≥ 350	≥ 350	≥ 350	≥ 350	EN 12311-2
Tear resistance	(N)	≥ 200	≥ 250	≥ 300	≥ 340	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	(%)	≤ 0,1	≤ 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	EN 1297
Resistance to static punching	(kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance		E	E	E	E	EN ISO 11925-2 EN 13501

### 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)	SAND GREY / TNT				

**System data sheet:** • 2b4-2b5; exposed not-accessible roofing • 4b1-4b2; refurbishment of existing waterproofing

### CE MARKING

Unique identification code of the product-type: WPSIT0031

FLAGON EP/PV-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 and no.1085-CPR-0037 in accordance with EN 13967:2012.

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.