

Technical Data Sheet N° WPSIT0051-17.02

DESCRIPTION

PVC-P synthetic membrane obtained by coextrusion or cast process, reinforced with polyester mesh.

This compound contains special pigments, they confer to the membrane a white colouring and a high solar reflection index (SRI). Furthermore the membrane is featured by a very high resistance to weather agents and UV rays on all the thickness.

Manufactured 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.

FEATURES

- High solar reflection index (SRI)
- Resistant to wind stress
- Weatherproof and UV resistance
- High mechanical resistance
- Resistant to puncturing

AREA OF USE

ROOFING

- Exposed roof, with mechanical fastening system
- Roofing with high SRI (Cool Roof Effect)

	SR 1,50 ENERGY PLUS	SR 1,80 ENERGY PLUS	SR 2,00 ENERGY PLUS	SR 2,40 ENERGY PLUS	Test method
Solar Reflection Index (SRI)	97	97	97	97	ASTM E 1980

Tests performed at the Mechanical and Civil engineering Dept./EELab (Energy Efficiency Laboratory) – University of Modena and Reggio Emilia

PROPERTIES

	SR 1,50 ENERGY PLUS	SR 1,80 ENERGY PLUS	SR 2,00 ENERGY PLUS	SR 2,40 ENERGY PLUS	Test method
Thickness (mm)	1,50	1,80	2,00	2,40	EN 1849-2
Weight (kg/m ²)	1,80	2,15	2,40	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)	≥ 800	≥ 900	≥ 1250	≥ 1500	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 (%)	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	EN 1107-2
Resistance to accelerated aging (UV)	no cracking	no cracking	no cracking	no 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 13501-1

PRODUCTION STANDARDS

Thickness	1,50 mm			1,80 mm			2,00 mm			2,40 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			m 20			m 20			m 20		
Colour (surface / underside)	LIGHT GREY / DARK GREY											

CE MARKING

Unique identification code of the product-type: WPSIT0051

FLAGON SR Energy Plus membranes are produced by the FLAG Spa factory (SOPREMA group) in Chignolo d'Isola (Italy) and Villa Santo Stefano are CE marked no.1085-CPR-010 (Chignolo) and no. 1085-CPR-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.