

Technical Data Sheet N° WPSIT0056-14.04

DESCRIPTION

Synthetic membrane in PVC-P dimensionally stabilized by glass fiber.

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

- Weatherproof and UV resistance
- Dimensional stability
- Resistant to puncturing
- Adaptability to structural movements
- Flexibility at low temperatures

AREA OF USE

ROOFING

- Ballasted with fixed and mobile ballast:
 - pedestrian roofing and not-accessible roofing
 - green roof
 - roof gardens
- Vertical finishing, junction bands

PROPERTIES

		SV 1,20	SV 1,50	SV 1,80	SV 2,00	SV 2,40	Test method
Thickness	(mm)	1,20	1,50	1,80	2,00	2,40	EN 1849-2
Weight	(kg/m ²)	1,50	1,80	2,15	2,40	2,90	EN 1849-2
Tensile strength	(N/mm ²)	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	EN 12311-2 met.B
Elongation to break	(%)	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	EN 12311-2 met.B
Tear resistance	(N)	≥ 110	≥ 135	≥ 160	≥ 170	≥ 200	EN 12310-2
Tear resistance - longitudinal - transversal	(N) (N)	> 400 > 300	> 400 > 300	> 400 > 300	> 400 > 300	> 400 > 300	EN 12310-1
Resistance to impact	(mm)	≥ 450	≥ 800	≥ 900	≥ 1250	≥ 1500	EN 12691 met.A
Cold bending	(°C)	≤ - 25	≤ - 25	≤ - 25	≤ - 25	≤ - 25	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)		waterproof	waterproof	waterproof	waterproof	waterproof	EN 1928 met. B
Dimensional stability after 6 hours at 80°C	(%)	≤ 0,1	≤ 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	no surface cracking	EN 1297
Resistance to roots penetration		no penetration	no penetration	no penetration	no penetration	no penetration	EN 13948
Resistance to static punching	(kg)	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730
Fire resistance		E	E	E	E	E	EN ISO 11925-2 EN 13501-1

PRODUCTION STANDARD

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

System data sheet: • 2a1-2a2-2a3; not-accessible roofing ballasted by gravel • 2c1-2c2-2c3; not-accessible roofing Sopranature green roof
• 3a1-3a2-3a3; pedestrian trafficable roofing with loose lay paving • 3b1-3b2-3b3; pedestrian trafficable roofing with traditional paving • 3d1-3d2-3d3; roofing with roof garden

CE MARKING

Unique identification code of the product-type: WPSIT0056

FLAGON SV 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 and no.1085-CPR-0036 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 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.