

Technical Data Sheet N° WPSIT0030-17.02

DESCRIPTION

Synthetic membrane manufactured in TPO modified polyolefin, double colour sand-grey/black, obtained by co-extrusion, dimensionally stabilized by a glass fiber.

The upper sand grey layer is featured by a very high resistance to weather and UV rays, while the underlying black layer is punching resistant.

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 Flag S.p.A. Finishing and accessories composed by elements produced and approved by Flag S.p.A.

FEATURES

- Weatherproof and UV resistance
- Dimensional stability
- Mechanical resistance and resistance to punching
- Adaptability to structural movements
- Excellent 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

	EP/PV 1,20	EP/PV 1,50	EP/PV 1,80	EP/PV 2,00	EP/PV 2,40	Test method
Thickness (mm)	1,20	1,50	1,80	2,00	2,40	EN 1849-2
Weight (kg/m ²)	1,15	1,40	1,68	1,85	2,42	EN 1849-2
Tensile strength (N/mm ²)	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	≥ 9,0	EN 12311-2
Elongation to break (%)	≥ 550	≥ 550	≥ 550	≥ 550	≥ 550	EN 12311-2
Tear resistance (N)	≥ 130	≥ 165	≥ 195	≥ 220	≥ 240	EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 800	≥ 900	≥ 1250	≥ 1500	EN 12691
Cold bending (°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	waterproofing	waterproofing	waterproofing	waterproofing	waterproofing	EN 1928 met. B
Dimensional stability (%)	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	EN 1107-2
Resistance to artificial weathering (U.V)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	no surface cracking	EN 1297
Resistance to root penetration	no penetration	no penetration	no penetration	no penetration	no penetration	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	2,10 m	2,10 m	2,10 m	2,10 m	2,10 m	
Number of rolls on each pallet	23	23	18	18	18	
Length	25 m	20 m	20 m	20 m	20 m	

Colour (surface / underside)

SAND GREY / BLACK

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: WPSIT0030

FLAGON EP/PV membranes are produced by the FLAG Spa factory (SOPREMA group) 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 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.