

FLAGON® EP/PR

WPSIT0028.c

DESCRIPTION

FLAGON® EP/PR Membrane composed of modified polyolefin (TPO) and a polyester reinforcement. Used as single layer waterproofing. FLAGON® EP/P membrane has a superior resistance to weathering and UV-ray and with a high resistance to puncture.

This is a synthetic membrane which is manufactured in TPO modified polyolefin, double colour sand-grey/black, obtained by co-extrusion, reinforced by a polyester mesh.

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).

FEATURES

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

METHOD OF INSTALLATION

FLAGON® EP/PR can be used in single ply or 2-ply, vertically and horizontally in substructure and superstructure applications. All the application guidelines are described in SOPREMA's Technical Manuals in force.

PACKING AND STORAGE

Rolls must be stored in upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect from any environmental impact such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of FLAGON® EP/PR.

INTENDED USE OR USES

Roofing - Exposed roof, with mechanical fastening system



Also available in the following RAL colors:

- RAL 7012 (dark grey/black)
- RAL 9016 (white/black), with solar reflectance index (SRI) 95, according to ASTM E 1980



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Technical Data

Attribute	Unit	EP/PR 1,20	EP/PR 1,50	EP/PR 1,80	EP/PR 2,00	Test method
Thickness	(mm)	1,20	1,50	1,80	2,00	EN 1849-2
Weight	(kg/m ²)	1,15	1,40	1,68	1,85	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 ISO 11925-2 EN 13501-1

Production Standards

Thickness	1,20 mm		1,50 mm		1,80 mm		2,00 mm	
Width	1,05 m	2,10 m	1,05 m	2,10 m	1,05 m	2,10 m	1,05 m	2,10 m
Number of rolls on each pallet	14	23	14	23	14	18	14	18
Length	25 m		20 m		20 m		20 m	
Colour (surface / underside)			SAND GREY / BLACK					

Unique identification code of the product-type: WPSIT0028

FLAGON EP/PR membranes are produced by the company SOPREMA SRL in Chignolo d'Isola (Italy) and are CE marked no.1085-CPR-0011 in accordance with EN 13956.

System data sheet: 2b1-2b2-2b3 – exposed not-accessible roofing; 4a1-4a2 – refurbishment of existing waterproofing

DECLARATION FROM MANUFACTURER

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.

INSPECTION AND MAINTENANCE

We recommend that inspections are carried out annually to confirm counterflashing, ensure drains are clear of blockages and to observe if any mechanical damage has occurred. Issues should be reported and rectified immediately. Our SOPREME Trading Bitumen membrane range is designed to last more than 10 years with the correct maintenance regime in place. Contact your local SOPREME Trading representative for any additional information.

QUALITY AND RESPONSIBLE CARE

All products distributed through SOPREME Trading (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

TECHNICAL SUPPORT

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local SOPREME Trading (Pty) Ltd representative. SOPREME Trading (Pty) Ltd shall not be liable for technical advice provided. SOPREME Trading (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

DISCLAIMER

The technical information and application advice given in this SOPREME Trading (Pty) Ltd. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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