

PRODUCT DATA SHEET

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.

STORAGE & HANDLING

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.

USER APPLICATION

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.

ADVANTAGES

- Resistant to wind stress
- Weatherproof and UV resistance
- High mechanical resistance
- Resistant to puncturing

HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



COMPOSITION & PACKAGING

PROPERTY	FLAGON® EP/PR			
	1.2 mm	1.5 mm	1.8 mm	2.0 mm
Thickness	1.2 mm	1.5 mm	1.8 mm	2.0 mm
Roll dimension	1.05, 2.10 x 20, 25			
Roll weight	43.1, 60.4 kg	43.0, 58.8 kg	50.4, 70.6 kg	55.5, 77.7 kg
Rolls per pallet	46, 23 Rolls	46, 23 Rolls	36, 18 Rolls	36, 18 Rolls

TECHNICAL PROPERTIES

PROPERTY	STANDARDS	FLAGON® EP/PR 1.2	FLAGON® EP/PR 1.5	FLAGON® EP/PR 1.8	FLAGON® EP/PR 2.0
Tensile strength	EN 12311-2 met A	1100 N / 5 cm	1100 N / 5 cm	1100 N / 5 cm	1100 N / 5 cm
Elongation to break	EN 12311-2 met A	15 %	15 %	15 %	15 %
Tear resistance	EN 12310-2	300 N	300 N	300 N	300 N
Resistance to impact	EN 12691 met A	450 mm	800 mm	900 mm	1250 mm
Cold bending	EN 495-5	- 40 °C	- 40 °C	- 40 °C	- 40 °C
Peel resistance joint	EN 12316-2	200 N / 5 cm	200 N / 5 cm	200 N / 5 cm	200 N / 5 cm
Shear resistance of joint	EN 12317-2	600 N / 5 cm	600 N / 5 cm	600 N / 5 cm	600 N / 5 cm
Watertightness	EN 1928 met B	conform	conform	conform	conform
Dimensional stability	EN 1107-2	0.5 %	0.5 %	0.5 %	0.5 %
Durability: exposure to UV, heat and water	EN 1297	grade 0	grade 0	grade 0	grade 0
Resistance to root penetration	EN 13948	conform	conform	conform	conform
Resistance to static loading	EN 12730 met A	20 kg	20 kg	20 kg	20 kg
Reaction to fire	EN 11925-2 / EN 13501-1	E	E	E	E

Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.
Data is represented by average values, unless noted otherwise.
All values are nominal.

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

