

FLAGON SFC



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

TECHNICAL DATA SHEET

ANZ-TDS-32-FLAGON SFC

DESCRIPTION

FLAGON SFC is a synthetic PVC-P membrane obtained by cast process, dimensionally stabilized by a 50 g/m² glass fibre reinforcement and coupled to 200 g/m² non-woven polyester felt support.

FLAGON SFC is a fully bonded system design for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for single-ply application on horizontal surfaces, **FLAGON SFC** can be fully adhered on insulation panels, concrete ceilings or existing waterproofing covering for the following general applications:

- General roofing
- Green roofs
- Planter boxes
- Plaza decks
- Balconies

APPLICATION METHOD

FLAGON SFC is glued to horizontal surfaces using **FLEXOCOL A89** adhesive. The overlaps are heat welded using a leister automatic welder or a hot air gun.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly
- Substrate must have a minimum 1% gradient to ensure that water drains to drainage outlets
- Concrete substrate must be fully cured before application of the membrane
- Concrete substrate must have a Concrete Surface Profile (CSP) between 2 and 4 as per International Concrete Repair Institute
- Adhesion test is recommended prior to installation of membrane
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator
- The use of **FLEXOCOL A89** is required before the installation of **FLAGON SFC** membrane. The adhesive can be spread and levelled using a brush, squeegee or another similar tool.

INSTALLATION

- Unroll membrane sheets onto the roof surface primed with **FLEXOCOL A89**
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1m apart or lay a transverse sheet or strip (minimum width 20 cm) across the bottom of two or more perfectly aligned and parallel sheets to provide a connection to the subsequent set.
- Upstands are waterproofed with **FLAGON SV** membrane using **FLEXOCOL V** adhesive
- Laying of **FLAGON SV** strips to be positioned at the head of the rolls of **FLAGON SFC** membrane; the strips should be welded in order to join the heads of the rolls of **FLAGON SFC**
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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SFc



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PACKAGING

SPECIFICATIONS	FLAGON SFc		
Thickness	1.5 mm	2 mm	2.4 mm
Roll dimensions	20 m x 1.65 m	20 m x 1.65 m	20 m x 1.65 m
Roll weight	66 kg	86 kg	102 kg
Rolls per pallet	16	12	12

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SFc		
		1.5 mm	2 mm	2.4 mm
Tensile strength (N/5cm)	EN 12311-2	≥ 700	≥ 900	≥ 1100
Elongation to break (%)	EN 12311-2	≥ 80	≥ 80	≥ 80
Tear resistance (N)	EN 12310-2	≥ 170	≥ 200	≥ 220
Resistance to impact (mm)	EN 12691	≥ 800	≥ 1250	≥ 1500
Cold bending (°C)	EN 495-5	≤ - 25	≤ - 25	≤ - 25
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	EN 1928 met. B	waterproof	waterproof	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.1	≤ 0.1	≤ 0.1
Resistance to artificial weathering (UV)	EN 1297	no surface cracking	no surface cracking	no surface cracking
Resistance to roots penetration	EN 13948	no penetration	no penetration	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20	≥ 20
Fire resistance	EN ISO 11925-1 / EN 13501-1	E	E	E

SRI

SPECIFICATIONS	STANDARD	FLAGON SFc ENERGY PLUS*
Solar reflection index (SRI)	ASTM E 1980	97

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best 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 Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.



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