

FLAGON AT/SR

TECHNICAL DATA SHEET

ANZ-TDS-140-FLAGON AT/SR



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

WATER WORKS

DESCRIPTION

FLAGON AT/SR is a synthetic PVC-P membrane obtained by cast process with a polyester reinforcement mesh and a white signal layer on the surface.

FLAGON AT/SR is 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 AT/SR** is mechanically fixed on insulation panels, concrete ceilings or existing waterproofing with separation layer covering for the following general applications:

- General roofing
- Green roofs
- Blue roofs
- Water tanks (potable water)
- Hydrolics works

APPLICATION METHOD

On the main surface, **FLAGON AT/SR** is semi-loose laid by mechanical fastening, and always laid to run a few centimetres on the parapet.

FLAGON AT/SR membrane is fastened around the perimeter of the roof and around any protruding features with FLAGORAIL bars or adapted screws and plates.

At the top of the upstands, **FLAGON AT/SR** is heat welded on FLAGMETAL strip mechanically fastened onto the substrate.

The overlaps are heat welded using a leister automatic welder or a hot air gun.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should start 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 V is required before the installation of **FLAGON AT/SR** or FLAGON SV membrane at the vertical.

INSTALLATION

- Unroll membrane sheets onto the roof surface.
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1 m 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 AT/SR** or FLAGON SV membrane using FLEXOCOL V adhesive for upstands > 40 cm high or mechanical fixed when upstands < 40 cm.



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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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INSTALLATION (CONT.)

- Laying of **FLAGON AT/SR** strips to be positioned at the head of the rolls of **FLAGON AT/SR** membrane; the strips should be welded in order to join the heads of the rolls of **FLAGON AT/SR**.
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	FLAGON AT/SR	
Thickness	1.5 mm	2 mm
Roll dimensions	20 m x 2.10 m	20 m x 2.10 m
Roll weight	82 kg	101 kg
Rolls per pallet	14	14

PROPERTIES

PROPERTIES	STANDARDS	FLAGON AT/SR	
		1.5 mm	2 mm
Weight (kg/m ²)	EN 1849-2	1.80	2.40
Tensile strength (N/5cm)	EN 12311-2	≥ 1100	≥ 1100
Elongation to break (%)	EN 12311-2	≥ 150	≥ 150
Tear resistance (N)	EN 12310-2	≥ 200	≥ 200
Resistance to impact (mm)	EN 12691	≥ 800	≥ 1250
Cold bending (°C)	EN 495-5	≤ - 25	≤ - 25
Hydrostatic pressure resistance (6 hours at 0.5 Mpa)	EN 1928 met. B	waterproof	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.5	≤ 0.5
Resistance to artificial weathering (UV)	EN 1297	no surface cracking	no surface cracking
Resistance to roots penetration	EN 13948	no penetration	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20

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. the membrane should be used within the 60 months after production.



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