

# FLAGON S

TECHNICAL DATA SHEET



BRANZ Appraised  
Appraisal No.1193 [2022]

ANZ-TDS-123-FLAGON S



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

## DESCRIPTION

FLAGON S is a synthetic PVC-P membrane obtained by co-extrusion.

FLAGON S is designed 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 detailing on single-ply application on horizontal surfaces and vertical finishing,

FLAGON S is used for the following general applications;

- General roofing
- Green roofs
- Planter boxes

## APPLICATION METHOD

FLAGON S is installed loose laid with a separation layer on ballasted horizontal surfaces and glued with FLEXOCOL V on vertical surfaces.

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 V is required before the installation of FLAGON S membrane at the vertical

### INSTALLATION

- Upstands are waterproofed with FLAGON S membrane using FLEXOCOL V adhesive
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings

## PACKAGING

SPECIFICATIONS	FLAGON S
Thickness	1.5 mm
Roll dimensions	20 m x 1.05 m
Roll weight	41 kg
Rolls per pallet	46



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## PROPERTIES

PROPERTIES	STANDARDS	FLAGON S
		1.5 mm
Weight (kg/m <sup>2</sup> )	EN 1849-2	1.95
Tensile strength (N/mm <sup>2</sup> )	EN 12311-2 met.B	≥ 15,0
Elongation to break (%)	EN 12311-2 met.B	≥ 300
Tear resistance (N)	EN 12310-2	≥ 80
Resistance to impact (mm)	EN 12691 met.A	≥ 800
Cold bending (°C)	EN 495-5	≤ - 30
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	EN 1928 met. B	waterproof
Resistance to artificial weathering (UV)	EN 1297	no surface cracking
Resistance to static punching (kg)	EN 12730	≥ 20
Fire resistance	EN ISO 11925-1 EN 13501-1	E

## 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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