



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

# SOPRAPLY FLAM STICK

TECHNICAL DATA SHEET

ANZ-TDS-102-SOPRAPLY FLAM STICK

## DESCRIPTION

SOPRAPLY FLAM STICK is a base sheet membrane composed of SBS modified bitumen reinforced with a composite (glass grid and polyester) reinforcement.

The surface is covered with a thermofusible plastic film and the self-adhesive underface is covered with a silicone release film.

SOPRAPLY FLAM STICK features DUO SELVEDGE technology which allows the immediate sealing of the membrane along side laps.

## APPLICATION FIELD

Designed for double layer application on horizontal surfaces, SOPRAPLY FLAM STICK is adhered on different substrates for the following general applications;

- General roofing
- Green roofs in conjunction with SOPRALENE FLAM JARDIN
- Planter boxes in conjunction with SOPRALENE FLAM JARDIN

## APPLICATION METHOD

SOPRAPLY FLAM STICK is installed in total adhesion by peeling off the silicone release film over a prepared substrate using ELASTOCOL STICK primer. The overlaps are self-adhered.

## 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 ELASTOCOL STICK primer is required before the installation of SOPRAPLY FLAM STICK membrane.

### INSTALLATION

- Unroll the SOPRAPLY FLAM STICK onto the roof surface.
- Once the SOPRAPLY FLAM STICK is in place, apply pressure over the whole surface using a membrane roller to ensure a complete and uniform adhesion
- When completing the end lap, burn the plastic film over the last 150 mm of the SOPRAPLY FLAM STICK before installing the next membrane. Ensure end-laps are staggered by 50 cm apart.
- All penetrations and upturn details should be waterproofed as per SOPREMA Installation Guides and detail drawings.
- Minimum application temperature: 0 °C

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

High puncture resistance

High tear resistance

Cold application, flameless solution

High dimensional stability

Fast installation



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## PACKAGING

SPECIFICATIONS	SOPRAPLY FLAM STICK
Thickness	3.0 mm
Surface	Thermofusible plastic film
Underface	Self-adhesive, covered with a silicone release film
Selvedge width	75 mm
Roll dimensions	10 m x 1 m
Roll weight	35 kg
Rolls per pallet	30

## PROPERTIES

PROPERTIES	STANDARDS	SOPRAPLY FLAM STICK	
		BEFORE Heat Conditioning	AFTER Heat Conditioning
Reinforcement	-	Composite	
Strain energy, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C	CSA A123.23-15, Type C, Grade 3	8/6.5 kN/m 8/7 kN/m	7/6 kN/m 6.5/6 kN/m
Peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		17/14 kN/m 22/19 kN/m	18/15 kN/m 22/17 kN/m
Elongation at peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		55/55 % 45/45 %	50/50% 35/35 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C		65/65 %	55/55 %
Dimensional stability, max MD/XD		±0.2/±0.2 %	
Low temperature flexibility, max MD/XD		-27 / -27 °C	-18 / -18 °C
Compound stability at 91 °C		121 / 121 °C	
Resistance to puncture		Pass	

## STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## 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 the 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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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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