



WATERPROOFING

APPLICATIONS

WALLS

# SOPRASEAL STICK 1100 T

TECHNICAL DATA SHEET 180418SCANE

(supersedes 180126SCANE)

## DESCRIPTION

SOPRASEAL STICK 1100 T is a self-adhesive membrane composed of SBS modified bitumen and a tri-laminated woven polyethylene facer. The tri-laminated woven polyethylene is compatible for the use of sprayed polyurethane foam insulation. The underface is covered with a silicone release paper or film.

SOPRASEAL STICK 1100 T is designed for air/vapour barrier waterproofing applications. It is also used as masonry and through wall flashing membrane as well as waterproofing membrane at openings and transitions. SOPRASEAL STICK 1100 T can also be use in conjunction with SOPRASEAL WFM as a wall flashing membrane.

## RECOMMENDED SUBSTRATES

This product can be used on most substrates, such as masonry, concrete, wood and gypsum.

## SURFACE PREPARATION

The use of SOPRASEAL STICK PRIMER, ELASTOCOL STICK ZERO or ELASTOCOL STICK H<sub>2</sub>O, is required before the installation of SOPRASEAL STICK 1100 T membrane. The substrate should be clean, sound, free of excess water and loose materials, grease and any contaminants, which may compromise the performance of the product.

## INSTALLATION

### SELF-ADHESIVE

- 1- Begin by installing SOPRASEAL STICK 1100 T membrane on angle changes, details and penetrations by removing the silicone release paper or film from the self-adhesive underside.
- 2- Proceed with the overall installation of the SOPRASEAL STICK 1100 T by ensuring that all membrane overlaps has a minimum of 50 mm (2 in).
- 3- Once installed, a pressure must be applied over the whole surface using a hard roller to ensure a perfect adhesion.
- 4- Use SOPRASEAL SEALANT with SOPRASEAL STICK 1100 T membrane to seal around details, reverse laps and critical areas.

Application temperatures: Winter grade: -10 to 10°C (14 to 50°F)  
Summer grade: 10 to 50°C (50 to 122°F)

Service temperatures: Winter grade: -45 to 90°C (-49 to 194°F)  
Summer grade: -45 to 90°C (-49 to 194°F)

UV exposure: up to 90 days

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



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## PACKAGING

Specifications	SOPRASEAL STICK 1100 T (complete roll)	SOPRASEAL STICK 1100 T (pre-cut roll)
Thickness	1.0 mm (40 mil)	
Dimensions	0,91 x 22, 9 m (3 x 75 ft)	100 mm x 22,9 m (4 in x 75 ft) 150 mm x 22,9 m (6 in x 75 ft) 225 mm x 22,9 m (9 in x 75 ft) 300 mm x 22,9 m (12 in x 75 ft) 450 mm x 22,9 m (18 in x 75 ft)
Weight	1.0 kg/m <sup>2</sup> (0.2 lb/ft <sup>2</sup> )	
Selvage width	50 mm (2 in)	-
Surface	Tri-laminated woven polyethylene	
Underface	Silicone release paper	Silicone release film
Qty/pal	36	Varies depending of the width

(All values are nominal)



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## PROPERTIES

Properties	Standards	SOPRASEAL STICK 1100 T
Tensile strength, MD/XD	ASTM D5147	13.1 / 9.6 kN/m (74 / 55 lb/in)
Ultimate elongation, MD/XD	ASTM D5147	40 / 25 %
Ultimate elongation (bitumen)	ASTM D5147	> 1000 %
Flexibility at cold temperature	ASTM D5147	-35°C (-31°F)
Flow at 110 °C	ASTM D5147	Pass
Static puncture	ASTM E154	575 N (129 lbf)
Tear resistance, MD/XD	ASTM D5147	535 / 245 N (120 / 55 lbf)
Lap adhesion	ASTM D1876	2100 N/m (12 lbf/in)
Peel resistance on primed gypsum	ASTM D903	1180 N/m (7 lbf/in)
Water vapour transmission	ASTM E96 (Procédure B)	< 2.1 ng/Pa·s·m <sup>2</sup> (< 0.037 perm)
Air permeability, 75 Pa	ASTM E2178	< 0.0005 L/s·m <sup>2</sup> (< 0.00001 cfm/pi <sup>2</sup> )
Air leakage resistance	ASTM E2357	< 0.002 L/s·m <sup>2</sup>
Air permeance of membrane	CAN/ULC S741	< 0.001 L/s·m <sup>2</sup>
Air leakage rate classification	CAN/ULC S742	A1
Resistance to wind gusts	ASTM E330 (3000 Pa-10s)	No delamination, no variation of air permeability
Resistance to uniform static air pressure	ASTM E330 (100 Pa-1h)	No significant delamination, no variation of air permeability
Fire resistance	Component of an assembly tested in conformity with NFPA 285	Pass
Nail sealability	ASTM D1970 modified	Pass

(Valeurs nominales)

## STORAGE AND HANDLING

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



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