

SOPRASEAL STICK 1100 T

TECHNICAL DATA SHEET 241105SCANE

(Supersedes 240517SCANE)



WATERPROOFING

APPLICATIONS

WALLS

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 a air/vapour barrier, therefore functions as a above-grade waterproofing membrane within exterior wall assemblies.

SOPRASEAL STICK 1100 T is also used as a masonry and through wall flashing membrane as well as a 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, gypsum and metal.

SURFACE PREPARATION

The use of SOPRASEAL STICK PRIMER, ELASTOCOL STICK ZERO or ELASTOCOL STICK H₂O is required before the installation of SOPRASEAL STICK 1100 T membrane. The substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.

INSTALLATION

SELF-ADHESIVE

1. Install the SOPRASEAL STICK 1100 T or SOPRASEAL STICK FLASHPRO membrane on angle changes, details and penetrations by removing the detachable silicone release paper or film from the self-adhesive underside.
2. Adhere the SOPRASEAL STICK 1100 T membrane to the substrate, making sure all overlaps are at least 50 mm (2 in).
3. To ensure proper adhesion, apply uniform pressure to the entire membrane using a hard roller.
4. To complete the installation, use the SOPRASEAL SCELLANT with SOPRASEAL STICK 1100 T or SOPRASEAL STICK FLASHPRO to seal details, reverse laps, and critical areas.

Application temperatures, winter grade: - 10 to 10 °C (14 to 50 °F)

Application temperatures, summer grade: 10 to 50 °C (50 to 122 °F)

Service temperatures, winter grade: - 45 to 90 °C (- 49 to 194 °F)

Service temperatures, summer grade: - 45 to 90 °C (- 49 to 194 °F)

UV exposure: Up to 90 days

WARNING

When sprayed insulation is to be applied on the SOPRASEAL STICK 1100 T membrane, additional protection measures are recommended to prevent a possible delamination of the membrane caused by the curing of the insulation. Metal bars must be mechanically fastened at the building perimeter, at membrane transitions, and around the frame of doors and windows and all other openings.

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



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GENERAL INFORMATION

Specifications	SOPRASEAL STICK 1100 T	
	Complete roll	Pre-cut roll
Thickness	1.0 mm (40 mils)	
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)
Gross / Net area per roll	20.8 / 19.7 m ² (224 / 212 ft ²)	-
Weight	1.0 kg/m ² (0.2 lb/ft ²)	
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

PROPERTIES

SOPRASEAL STICK 1100 T meets the CSA A440.4 standard for windows and doors installation.

Properties	Standards	SOPRASEAL STICK 1100 T	
		MD	XD
Tensile strength	ASTM D5147	13.1 kN/m (74 lb/in)	9.6 kN/m (55 lb/in)
Ultimate elongation	ASTM D5147	40%	25%
Ultimate elongation (bitumen)	ASTM D5147	> 1000%	
Flexibility at cold temperature	ASTM D5147	-35 °C (-31 °F)	
Flow, at 110 °C (230 °F)	ASTM D5147	Pass	
Dynamic puncture	ASTM E154	575 N (129 lbf)	
Tear resistance	ASTM D5147	535 N (120 lbf)	245 N (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 (Procedure A and B)	< 2.5 ng/Pa·s·m ² (< 0.04 perm)	

(All values are nominal)



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PROPERTIES *(Continued)*

Properties	Standards	SOPRASEAL STICK 1100 T	
		MD	XD
Air permeability (75 Pa)	ASTM E2178	< 0.0005 L/s•m ² (< 0.00001 cfm/ft ²)	
Air leakage resistance	ASTM E2357	< 0.002 L/s•m ²	
Air permeance of membrane	CAN/ULC S741	< 0.001 L/s•m ²	
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	

(All values are nominal)

Note: SOPRASEAL STICK 1100 T is part of a wall system tested according to the ULC-S742 standard.

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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