

## SOPRASEAL STICK 1100 T

**Description:** *SOPRASEAL STICK 1100 T* is a self-adhesive membrane composed of SBS modified bitumen and a tri-laminate woven polyethylene facer. This surface is ideal for sprayed polyurethane foam insulation. The self-adhesive underface is covered with a silicone release sheet.

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

Application temperatures: Available in "Summer Grade" for applications at temperatures above 10 °C and in "Winter Grade" for applications at temperatures between -10 °C and 10 °C.

**Installation:** The *SOPRASEAL STICK 1100 T* membranes are applied directly to primed substrates.

1. Clean and dry the substrate.
2. Prime the substrate with *ELASTOCOL STICK* or *ELASTOCOL STICK H<sub>2</sub>O*, using a brush or roller.
3. Allow the primer to dry. Primed substrate must be covered the same day.
4. Unroll, align and cut the membrane into required lengths.
5. Peel back about 150-mm (6-inch) of release sheet.
6. Align membrane and install by peeling back the release sheet to adhere to substrate.
7. Use a roller to apply pressure over the entire membrane surface to ensure uniform adhesion to substrate.

For complete information on application and systems, please consult our specification manual.

## Properties:

Properties	Standards	SOPRASEAL STICK 1100 T
Thickness (mm)	–	1.0
Dimension (m)	–	22.9 X 0.91 (75 X 3 ft)
Gross / Net coverage per roll (m <sup>2</sup> )	–	20.8 / 19.7 (225 / 212 ft <sup>2</sup> )
Roll Weight (kg)	–	21 (46 lb)
Underface (complete roll)	–	Silicone release paper
Underface (pre-cut roll)	–	Silicone release plastic film
Top face	–	Tri-laminate woven polyethylene
Storage	–	Upright on pallet
Tensile strength, MD/XD (kN/m)	ASTM D5147	11.3 / 15.4 (64 / 88 lb/in)
Tensile strength, MD/XD (MPa)	ASTM D412	11.2 / 13.1
Ultimate elongation, MD/XD (%)	ASTM D5147	40 / 25
Ultimate elongation, MD/XD (%)	ASTM D412	88 / 55
Flexibility at cold temperature (°C)	ASTM D5147	-35 (-31 °F)
Static puncture (N)	ASTM D5602	400 (90 lb)
Static puncture (N)	ASTM E 154	747 (168 lb)
Tear resistance, MD/XD (N)	ASTM D5601	375 / 400 (84 / 90 lb)
Lap adhesion (N/m)	ASTM D1876	2000 (11.4 lb/in)
Water absorption (%)	ASTM D5147	0.1 max
Peel resistance (N/m)	ASTM D903	2800 (16 lb/in)
Water vapour permeance (ng/Pa·s·m <sup>2</sup> )	ASTM E96 (Procedure B)	< 0.90 (< 0.016 perm)
Air permeability, 75 Pa (L/s·m <sup>2</sup> )	ASTM E283	< 0.0003
Air permeability, 75 Pa (L/s·m <sup>2</sup> )	ASTM E2178	0.0013 (0.00025 cfm/ft <sup>2</sup> )
Resistance to gust wind load	ASTM E330 (3000 Pa – 10 s)	No sign of delamination nor variation in the air permeability
Resistance to sustained wind load	ASTM E330 (100 Pa – 1 h)	No sign of delamination nor variation in the air permeability

(All values are nominal)