

SOPRASEAL®

STICK 1100T

SOPRASEAL® STICK 1100T
 PRODUCT # D14046
 (summer)
 D14033
 (winter)

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SOPRASEAL Stick 1100T is a self-adhered waterproofing membrane. SOPRASEAL Stick 1100T is composed of a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) polymer-modified bitumen blend and a woven polyethylene composite facer. SOPRASEAL Stick 1100T is used as a self-adhered air, vapor and rain barrier on vertical walls of masonry, concrete or gypsum sheathing designed to be used as a base for exterior insulation and finish systems (EIFS). SOPRASEAL Stick 1100T may also be used as a transition membrane at doors, windows and through wall flashings. The underside consists of a self-adhesive bitumen layer protected by a release paper.

STORAGE & HANDLING

Store products on end on a clean and flat surface. Do not store in a leaning or horizontal position as deformation may occur. All materials should be stored in a dry place, out of direct exposure to the elements. Material should be handled in such a manner as to ensure that it remains dry prior to and during installation.

APPLICATION

Substrates must be clean and dry, primed with SOPRASEAL Stick Primer, ELASTOCOL Stick Zero or ELASTOCOL Stick H2O to ensure better adhesion. Apply by peeling back the release film on the underside of the sheet and apply with hand pressure. Once the sheet is in place, roll entire sheet with a weighted roller.

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

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

UV exposure up to 90 days



APPLICATION



SELF ADHERED

QUICK FACTS

LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/ PALLET (pallet weight)
75 (22.9 m)	36 (0.9 m)	225 (20.9 m²)	40 (1.0 mm)	46 (20.9 kg)	36 (1,706 lb/ 773.8 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.

* See backside for pre-cut roll information



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TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES

Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Topside	Tri-laminate woven polyethylene
Underside	Self-adhesive with release paper
Selvage surface	Tri-laminate woven polyethylene
Side lap, in (mm)	3 (76)
End lap, in (mm)	6 (152)

PRE-CUT ROLL

Dimensions, in x ft (mm x m)	6x75 (150x22.9) 9x75 (225x22.9) 12x75 (300x22.9) 18x75 (450x22.9)
Topside	Tri-laminate woven polyethylene
Underside	Self-adhesive with release film

PHYSICAL PROPERTIES

PROPERTY	MD	XMD	TEST METHOD
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	75 (13.1)	55 (9.6)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	40	25	ASTM D5147
Ultimate elongation (polymer modified bitumen) @ 73.4°F (23°C), %	> 1000	> 1000	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	120 (534)	55 (245)	ASTM D5147
Low temperature flexibility, °F (°C)	-35 (-37)	-35 (-37)	ASTM D5147
Static puncture (over plywood), lbf (N)	55 (245)		ASTM D5602
Puncture resistance, lbf (N)	130 (578)		ASTM E154
Lap adhesion, lbf/in (N/m)	12 (2100)		ASTM D1876
Water absorption, (%)	< 1.0		ASTM D5147
Peel resistance**, lbf/in (N/m)	11 (1926)		ASTM D903
Water vapor transmission, perm (ng/s·m ² ·Pa)	0.031 (1.8)		ASTM E96 (Method B)
Air permeability @ 75 Pa, cfm/ft ² (L/s·m ²)	0.00001 (0.00005)		ASTM E2178
Resistance to wind gusts @ 3000 Pa-10s	No delamination, no variation of air permeability		ASTM E330
Resistance to uniform static air pressure @ 100 Pa-1h	No significant delamination, no variation of air permeability		ASTM E330
Fire resistance	Pass		NFPA 285
Air leakage resistance	Pass		ASTM E2357

* Data is represented by average values, unless noted otherwise.

** Adhered to glass faced gypsum board with primer.

TESTING & APPROVALS

