

SOPRASEAL[®] STICK 1100T

Self-Adhered Air and Vapor Barrier

PRODUCT DATA SHEET PD10076 - REV.230612



APPLICATIONS

WALLS

QUICK FACTS:

WEIGHT (lbs/ft ²)	36-IN ROLL COVERAGE (ft ²)	CUT ROLL COVERAGE (ft)	SERVICE TEMP (°F)	USES
0.2 (1 kg/m ²)	225 (20.9 m ²)	75 (22.9 m)	-49 to 194 (-45 to 90°C)	Walls

DESCRIPTION:

SOPRASEAL Stick 1100T is a 40 mil self-adhered non-permeable water resistive air and vapor barrier composed of a proprietary high-quality elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen blend and a tough HDPE woven polyethylene composite facer for superior puncture resistance. It is also available in a winter and summer grade.

BASIC USES:

SOPRASEAL Stick 1100T is used with a primer and as an air and vapor barrier on vertical masonry, concrete, exterior grade gypsum, OSB, metal, and exterior grade plywood sheathing.

SOPRASEAL Stick 1100T is also available in cut rolls for use as a through wall flashing (TWF), or as a flashing membrane for rough openings such as windows.

APPLICATION:

For complete installation instructions please refer to the **SOPRASEAL Stick 1100T** Application Guidelines.

APPLICATION TEMPERATURES:

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

LIMITATIONS:

- Do not apply to contaminated, wet, or damp surfaces.
- Primer is required
- Not designed for below grade waterproofing.
- 90 days UV exposure.

CLEAN UP:

Any adhesive material can be removed mechanically or with hydrocarbon solvents such as xylene or mineral spirits. Always test small areas before full use.

WARRANTY:

Please refer to www.SOPREMA.us for the SOPREMA Standard Warranty, Form 115, or contact SOPREMA at 800.356.3521 for more information.

SIZES & PACKAGING:

Available in 75 ft (22.9 m) rolls that are 6 in (152 mm), 9 in (229 mm), 12 in (305 mm), 18 in (457 mm), or 36 in (914 mm) wide.

ROLL SIZE	ROLLS/BOX	BOXES/PALLET
6 in (152 mm)	6	24
9 in (229 mm)	4	24
12 in (305 mm)	3	24
18 in (457 mm)	2	24
36 in (914 mm)	No box, 36 rolls/pallet	

TESTING & APPROVALS:

FLORIDA BUILDING CODE



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APPLICATIONS

ROOFS

TECHNICAL INFORMATION:

PHYSICAL PROPERTIES			
PROPERTY	MD	XD	TEST METHOD
Tensile Strength , lbf/in (kN/m)	74.0 (13.1)	55.0 (9.6)	ASTM D5147
Ultimate Elongation (facer) , %	40.0	25.0	ASTM D5147
Ultimate Elongation (adhesive) , %	>1000.0	>1000.0	ASTM D5147
Low Temperature Flexibility , °F (°C)	-35.0 (-37.0)		ASTM D5147
Flow at 110°C (230°F)	Pass		ASTM D5147
Tear Resistance , lbf (N)	121.5 (540.0)	55.5 (251.0)	ASTM D5147
Tensile Strength , psi (kPa)	2414.0 (16642.0)	1488.0 (10256.0)	ASTM D412 (Die C)
Elongation at Break , %	12.9	12.1	ASTM D412 (Die C)
Ultimate Elongation , %	13.1	12.6	ASTM D412 (Die C)
Water Absorption , %	< 1.0		ASTM D5147
Puncture Resistance , lbf (N)	131.0 (583.0)		ASTM E154
Static Puncture Resistance (plywood) , lbf (N)	56.0 (249.0)		ASTM 5602
Static Puncture Resistance (concrete) , lbf (N)	20.0 (89.0)		ASTM 5602
Lap Adhesion , lbf/in (N/m)	12.0 (2100.0)		ASTM D1876
Peel Strength (glass-faced gypsum) , lbf/in (kN/m)	11.0 (1.2)		ASTM D903
Peel Strength (concrete) , lbf/in (kN/m)	12.0 (2.1)		ASTM D903
Peel Strength (plywood) , lbf/in (kN/m)	11.0 (1.2)		ASTM D903
Pull-Off Strength (glass-faced gypsum) , psi (kPa)	94.0 (648.1)		ASTM D4541
Pull-Off Strength (concrete) , psi (kPa)	82.0 (565.4)		ASTM D4541
Pull-Off Strength (plywood) , psi (kPa)	235.0 (1620.3)		ASTM D4541
Water Vapor Transmission , perms (ng/Pa·s·m ²)	Procedure A: 0.016 (0.89) Procedure B: 0.031 (1.8)		ASTM E96
Air Permeability at 75 Pa (material) , L/s·m ² (cfm/ft ²)	0.0035 (0.00069)		ASTM E2178
Air Leakage Resistance (assembly) , L/s·m ²	< 0.002		ASTM E2357
Air Permeance of Membrane , L/s·m ²	< 0.001		CAN/ULC S741
Air Leakage Rate Classification	A1		CAN/ULC S742
Nail Sealability	Pass		ASTM D1970
Resistance to Wind Gusts at 3000 Pa-10s	No delamination, no variation of air permeability		ASTM E330
Resistance to Uniform Static Air Pressure at 100 Pa-1h	No delamination, no variation of air permeability		ASTM E330
Fire Resistance	Component of multiple NFPA 285 tested wall assemblies		NFPA 285