

# SOPRASEAL<sup>®</sup> STICK 1100T

Self-Adhered Air and Vapor Barrier

PRODUCT DATA SHEET PD10076 - REV.220902



APPLICATIONS

WALLS

## QUICK FACTS:

WEIGHT (lbs/ft <sup>2</sup> )	36-IN ROLL COVERAGE (ft <sup>2</sup> )	CUT ROLL COVERAGE (ft)	SERVICE TEMP (°F)	USES
0.2 (1 kg/m <sup>2</sup> )	225 (20.9 m <sup>2</sup> )	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 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](http://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
<b>Tensile Strength</b> , lbf/in (kN/m)	74.0 (13.1)	55.0 (9.6)	ASTM D5147
<b>Ultimate Elongation (facer)</b> , %	40.0	25.0	ASTM D5147
<b>Ultimate Elongation (adhesive)</b> , %	>1000.0	>1000.0	ASTM D5147
<b>Low Temperature Flexibility</b> , °F (°C)	-35.0 (-37.0)		ASTM D5147
<b>Flow at 110°C (230°F)</b>	Pass		ASTM D5147
<b>Tear Resistance</b> , lbf (N)	121.5 (540.0)	55.5 (251.0)	ASTM D5147
<b>Tensile Strength</b> , psi (kPa)	2414.0 (16642.0)	1488.0 (10256.0)	ASTM D412 (Die C)
<b>Elongation at Break</b> , %	12.9	12.1	ASTM D412 (Die C)
<b>Ultimate Elongation</b> , %	13.1	12.6	ASTM D412 (Die C)
<b>Water Absorption</b> , %	< 1.0		ASTM D5147
<b>Puncture Resistance</b> , lbf (N)	131.0 (583.0)		ASTM E154
<b>Static Puncture Resistance (plywood)</b> , lbf (N)	56.0 (249.0)		ASTM 5602
<b>Static Puncture Resistance (concrete)</b> , lbf (N)	20.0 (89.0)		ASTM 5602
<b>Lap Adhesion</b> , lbf/in (N/m)	12.0 (2100.0)		ASTM D1876
<b>Peel Strength (glass-faced gypsum)</b> , lbf/in (kN/m)	11.0 (1.2)		ASTM D903
<b>Peel Strength (concrete)</b> , lbf/in (kN/m)	12.0 (2.1)		ASTM D903
<b>Peel Strength (plywood)</b> , lbf/in (kN/m)	11.0 (1.2)		ASTM D903
<b>Pull-Off Strength (glass-faced gypsum)</b> , psi (kPa)	94.0 (648.1)		ASTM D4541
<b>Pull-Off Strength (concrete)</b> , psi (kPa)	82.0 (565.4)		ASTM D4541
<b>Pull-Off Strength (plywood)</b> , psi (kPa)	235.0 (1620.3)		ASTM D4541
<b>Water Vapor Transmission</b> , perms (ng/Pa·s·m <sup>2</sup> )	Procedure A: 0.016 (0.89) Procedure B: 0.031 (1.8)		ASTM E96
<b>Air Permeability at 75 Pa (material)</b> , L/s·m <sup>2</sup> (cfm/ft <sup>2</sup> )	0.0035 (0.00069)		ASTM E2178
<b>Air Leakage Resistance (assembly)</b> , L/s·m <sup>2</sup>	< 0.002		ASTM E2357
<b>Air Permeance of Membrane</b> , L/s·m <sup>2</sup>	< 0.001		CAN/ULC S741
<b>Air Leakage Rate Classification</b>	A1		CAN/ULC S742
<b>Nail Sealability</b>	Pass		ASTM D1970
<b>Resistance to Wind Gusts at 3000 Pa-10s</b>	No delamination, no variation of air permeability		ASTM E330
<b>Resistance to Uniform Static Air Pressure at 100 Pa-1h</b>	No delamination, no variation of air permeability		ASTM E330
<b>Fire Resistance</b>	Component of multiple NFPA 285 tested wall assemblies		NFPA 285