

SOPRASEAL[®] STICK VP

Vapor-Permeable, Self-Adhered Air Barrier



APPLICATIONS

WALLS

PRODUCT DATA SHEET PD10021 - REV 231110

PRODUCT NUMBERS:

- 21501 - 37.4 in x 98.4 ft (95 cm x 30 m) Roll
- 21503 - 6 in x 98.4 ft (15.2 cm x 30 m) Roll
- 21504 - 9 in x 98.4 ft (22.9 cm x 30 m) Roll
- 21505 - 12 in x 98.4 ft (30.5 cm x 30 m) Roll

DESCRIPTION & FEATURES:

SOPRASEAL STICK VP is a lightweight 24-mil self-adhered, vapor-permeable, water-resistive air barrier used in wall construction. **SOPRASEAL STICK VP** is composed of a tough tri-laminate composite facer coated with a high-tack adhesive and protected with a silicone release film.

SOPRASEAL STICK VP is installed without the use of a primer as an air and vapor mitigating barrier on vertical masonry and concrete walls, as well as exterior gypsum wall board, metal, OSB and exterior grade plywood sheathing.

- Primer-less adhesion to all common substrates
- Can be exposed to UV for up to six months during construction
- Lightweight rolls
- No odor and non-hazardous
- Low temperature applications

APPLICATION:



SELF
ADHERED



HAND
ROLLER

1. Apply **SOPRASEAL STICK VP** vertically to the wall by peeling back about 12 in of the release film from the back side of the roll and adhere the sheet to the substrate making sure it is well aligned.
2. Continue to gradually peel off the remaining release film while hand pressing the sheet to the wall making sure to adhere it completely.

APPLICATION:

3. After each sheet is hand installed, use a hard rubber hand roller to apply pressure over the entire surface to ensure uniform and intimate contact with the substrate.
4. Overlapping of sheets in the field of the wall that run horizontally should be a minimum 3 in and overlaps that run vertically should be a minimum 3 in. Laps at window openings and other detailed areas with flashing products should be a minimum 3 in.

Refer to the SOPREMA Walls Air Barriers Technical Manual for additional application guidelines.

STORAGE:

Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

LIMITATIONS

Ambient and surface temperatures must be between 19°F (-7.2°C) and below 104°F (40°C). Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above the dew point.

Material is not designed for horizontal waterproofing applications.

Do not apply to contaminated, wet, or damp surfaces.

TESTING & APPROVALS:



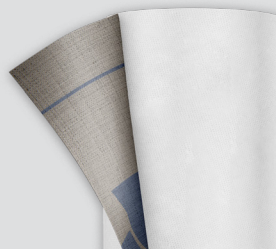
WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.



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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	VALUE
Top surfacing	Tri-laminated woven polypropylene
Back surfacing	Split-release silicone film
Application temperature, °F (°C)	19 to 104 (-7 to 40)
Service temperature range, °F (°C)	-40 to 257 (-40 to 125)
Shelf life, months	24

DIMENSIONS & MASS				
PROPERTY	VALUE			
Length, ft (m)	98.4 (30)			
Width, in (cm)	6 (15.2)	9 (22.9)	12 (30.5)	37.4 (95)
Coverage,* ft² (m²)	49.2 (4.6)	73.8 (6.8)	98.4 (9.1)	306.7 (28.5)
Roll weight, lb (kg)	2.9 (1.3)	4.4 (2.0)	5.8 (2.6)	17.5 (7.9)
Rolls per pallet	180	120	90	25
Thickness, mils (mm)	24 (0.6)			

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	30 (5.3)	20 (3.5)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	45	65	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	55	120	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	55 (245)	35 (156)	ASTM D5147
Maximum tensile strength 73.4°F (23°C), psi (Mpa)	1,530 (10.5)	950 (6.6)	ASTM D412 (Die C)
Elongation @ max. tensile strength @ 73.4°F (23°C), %	45	65	ASTM D412 (Die C)
Ultimate elongation @ 73.4°F (23°C), %	55	85	ASTM D412 (Die C)
Low temperature flexibility, °F (°C)	-40 (-40)	-40 (-40)	ASTM D5147
Dimensional stability, %	0.5	0.2	ASTM D1204
Plywood adhesion, lbf/in (N/m)	2 (356)		ASTM D3330
Lap adhesion, lbf/in (N/m)	1.7 (300)		ASTM D1876
Nail sealability	Pass		ASTM D1970
Water vapor permeance, perms (ng/Pa·s·m²)	11 (627)		ASTM E96 (Procedure A)
Water vapor permeance, perms (ng/Pa·s·m²)	17 (969)		ASTM E96 (Procedure B)
Air permeability @ 75 Pa, cfm/ft² (L/s·m²)	0.0005 (0.0025)		ASTM E2178
Air leakage of air barrier	Pass		ASTM E2357
Flame spread	Class A		ASTM E84
Smoke developed	Class A		ASTM E84
Fire resistance	Multiple tested wall assemblies with NFPA 285 approvals		NFPA 285

Data is represented by average values, unless noted otherwise.