

# RESISTO

## REDZONE STICK VP

### VAPOR PERMEABLE - AIR BARRIER



Self-adhesive vapor permeable air barrier membrane which stands out for its unmatched adhesion. It is used as an intramural membrane and as a transition membrane.

- Adhesion superior to the competition
- Easy Installation
- Self-sealing

#### PRODUCT PURPOSE

Application	Waterproofing	
Building Part	Walls	
Substrates	Wood	Gypsum
	Concrete	Masonry block

#### PRODUCT CHARACTERISTICS

Surface	Trilaminar polyethylene system
Underface	Silicone release film
Installation Method	Self-adhesive
Operating Temperature	-45 °C to 85 °C (-49 °F to 185 °F)
Maximum exposure	180 days

#### PACKAGING

Code	Width		Length		Thickness		Selvege Width	Net Area		Quantity (per pallet)
	cm	in	m	ft	mm	mils		m <sup>2</sup>	ft <sup>2</sup>	
22136	10	4	30	98	0.6	24		3	32	270
21742	15	6	30	98	0.6	24		4.5	49	180
21743	23	9	30	98	0.6	24		6.9	74	120
21744	30	12	30	98	0.6	24		9	98	90
21562	95	37	30	98	0.6	24	50	28.5	302	25

#### PROPERTIES

Properties	STANDARDS	REDZONE STICK VP
Peak Load @ 73.4°F (23°C), MD/XD, lbf/in (kN/m)	ASTM D5147	34 (6.0) / 27 (4.7)
Elongation at peak load @ 73.4°F (23°C), MD/XD	ASTM D5147	76 % / 107 %
Ultimate elongation @ 73.4°F (23°C), MD/XD	ASTM D5147	96 % / 123 %
Water vapor permeance, perms (ng/Pa•s•m <sup>2</sup> )	ASTM E96-B ASTM E96-A	13 (744) 13 (744)
Low temperature flexibility, MD/XD, °F (°C)	ASTM D5147	-40 (-40) / -40 (-40)
Dimensional stability at 85 °C (185 °F), MD/XD	ASTM D1204	0.49 / -0.71%

(All values are nominals)

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### PROPERTIES (CONTINUED)

Properties	STANDARDS	REDZONE STICK VP
Tear strength @ 73.4°F (23°C), MD/XD, lbf (N)	ASTM D5147	57.2 (254) / 44.6 (198)
Maximum tensile strength 73.4°F (23°C), MD/XD, psi (MPa)	ASTM D412 (Die C)	1508 (10.4) / 1160 (8.0)
Elongation at max tensile strength @ 73.4°F (23°C), MD/XD	ASTM D412 (Die C)	44 % / 59 %
Ultimate elongation @ 73.4°F (23°C), MD/XD	ASTM D412 (Die C)	47 % / 63%
Plywood adhesion, lbf/in (N/m)	ASTM D3330	1.37 (240)
Lap adhesion, lbf/in (N/m)	ASTM D1876	1.17 (205)
Adhesion after elevated temperature exposure AAMA 711-05, level 3, 7 days @ 80 °C (176 °F), lbf/in (N/m)	ASTM D3330	4.13 (724)
Air permeability @ 75 Pa, cfm/ft <sup>2</sup> (L/s•m <sup>2</sup> )	ASTM E2178	0.0005 (0.0025) *
Air leakage resistance @ 75 Pa	ASTM E2357	Pass
Air leakage rate classification	CAN/ULC S742	A1
Nail sealability	ASTM D1970 modified	Pass
Flame spread and Smoke developed	ASTM E84	Class A
Fire resistance	Componant of an assembly tested in conformity with NFPA 285**	Pass

(All values are nominals)

\* Maximum value as per National Building Code is 0.02 L/s•m<sup>2</sup>

\*\* Under polyiso insulation only

Meets all ICC-ES AC-308 standard requirements.

### INSTALLATION

Storage	Rolls should be stored upright. If the products are stored outdoors, cover them with an opaque protective cover after removing the delivery packaging.
Minimum Application Temperature	19 °F (-7 °C)
Complementary products	Use RESISTO H2O PRIMER on applications where an adhesion enhancer is mandatory on the substrate (see product informations on the spec sheet for conditioning).

Installation	<ol style="list-style-type: none"> <li>1. Remove the silicone release film and press the membrane, taking care to align.</li> <li>2. Remove gradually the silicone release film, while ensuring that the membrane is completely adhered to prevent air pockets and creases.</li> <li>3. Use a heavy roller to apply pressure to the entire membrane to ensure adhesion.</li> <li>4. Use a compatible primer to seal details, inside joints and critical areas.</li> </ol> <p>Note- The longitudinal overlap should be at least 50 mm (2 in) and the transverse overlap must be at least 75 mm (3 in).</p>
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