

# SOPRASEAL<sup>®</sup> LM 202 VP

Vapor Permeable Air Barrier

PRODUCT DATA SHEET PD10297 - REV.220616



APPLICATIONS

WALLS

## QUICK FACTS:

UNIT SIZE Gal	COLOR	SOLIDS %	PAILS/ PALLET	USES
5 (19 L)	Red Brown	74	36	Walls

## PRODUCT NUMBER:

A501 - SOPRASEAL LM 202 VP

## DESCRIPTION & FEATURES:

**SOPRASEAL LM 202 VP** is a one-component brush, roller or spray applied, non-flammable, vapor-permeable air barrier membrane used in wall construction. SOPRASEAL LM 202 VP is a water-based, ultra-low VOC, liquid-applied product composed of a modified rubber.

**SOPRASEAL LM 202 VP** provides air and moisture mitigation protection behind wall claddings such as brick, siding, metal panels, EIFS, stucco, and is applied to exterior grade gypsum sheathing or wood as well as CMU or poured concrete walls.

## TESTING & APPROVALS:



## APPLICATION:



BRUSH



ROLLER



SPRAY

Refer to **SOPRASEAL LM 202 VP** application guidelines for complete details.

**Clean up:** Tools and wet material can be cleaned with a mild soap and water. Cured material should be carefully and mechanically removed. Can be exposed to UV during construction for up to 180 days.

## LIMITATIONS:

- Not to be applied to contaminated substrates or frost covered surfaces.
- Do not use **SOPRASEAL LM 202 VP** for below-grade applications or on surfaces subject to water immersion.
- Utilization of a slip sheet is required for stucco cladding.
- Not intended for permanent UV exposure.
- Protect from freezing.

## STORAGE:

Always store closed containers in cool, ventilated and dry locations away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Approximate shelf life is 2 years from the date of manufacture when properly stored in original packaging.

## 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.



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## TECHNICAL INFORMATION & TESTING:

PROPERTY	VALUE	TEST METHOD
<b>Air leakage of air barrier assemblies @ 1.57 psf (75 Pa) positive/past conditioning;</b> cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0001 (0.0005) - PASS	ASTM E2357
<b>Air leakage of air barrier assemblies @ 1.57 psf negative/past conditioning;</b> cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0003 (0.0015) - PASS	ASTM E2357
<b>Air permeance of building materials @ 1.57 psf (75 Pa);</b> cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.00098 (0.005)	ASTM E2178
<b>Rate of air leakage @ 1.57 psf (75 Pa);</b> cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0037 (0.019)	ASTM E283
<b>Water vapor transmission @ 20 mils (0.51 mm) wet thickness;</b> perms (ng/Pa • s • m <sup>2</sup> )	14 (801)	ASTM E96 Method B
<b>Water vapor transmission @ 10 mils (0.25 mm) wet thickness;</b> perms (ng/Pa • s • m <sup>2</sup> )	18 (1030)	ASTM E96 Method B
<b>Pull-off strength of coatings</b>	Pass	ASTM D4541
<b>Nail sealability</b> (without sheathing fabric)	Pass	ASTM D1970
<b>Compound stability</b> (elevated temperature)	No dripping or drop formation up to 350°F (177°C)	ASTM D5147 section 15
<b>Surface burning class A flame spread</b>	< 25	ASTM E84
<b>Surface burning class A smoke developed spread</b>	< 450	ASTM E84
<b>Fire resistance</b>	Pass — Will not add or detract from the rating of a resistive wall assembly	ASTM E119/JUL 263 NFPA 285
<b>Resistance to fungal defacement</b>	Pass	ASTM D5590
<b>VOC content;</b> lb/gal (g/L)	0.14 (16.8)	ASTM D2369

## ICC-ES AC 212 ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTIVE BARRIERS OVER EXTERIOR SHEATHING:

SEQUENTIAL TESTING: PROPERTIES		TEST METHOD
<b>1. Structural</b> <b>2. Racking</b> <b>3. Restrained environmental conditioning</b> <b>4. Water penetration @ 6.24 psf (299 Pa)</b>	(1-3) No cracking at joints or interface of flashing (4) No water penetration after 90 min, tested over OSB and gypsum sheathing	ASTM E1233 Procedure A ASTM E72 ICC-ES AC 212 ASTM E331
<b>1. UV light exposure</b> <b>2. Accelerated aging</b> <b>3. Hydrostatic pressure test</b>	(1-2) No cracking or bond failure to substrate (3) No water penetration	ICC-ES AC 212 ICC-ES AC 212 AATC 127-1985
<b>Water resistance*</b>	No sign of deleterious effects after 14 day exposure	ASTM D2247
<b>Freeze-thaw*</b>	No sign of deleterious effects after 10 cycles	ASTM E2485 Method B
<b>Tensile bond ;*</b> (before and after freeze-thaw), psi (kPa)	>15 (103) avg; no failure after 10 cycles freeze-thaw	ASTM C297
<b>Tensile bond;*</b> psi (kPa)	>15 (103)	ASTM C297

\* Tested over various substrates.

