

# SOPRASEAL<sup>®</sup> LM 203

Air and Vapor Barrier

PRODUCT DATA SHEET PD10298 - REV.220602



APPLICATIONS

WALLS

## QUICK FACTS:

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

## PRODUCT NUMBER:

A502 - SOPRASEAL LM 203

## DESCRIPTION & FEATURES:

**SOPRASEAL LM 203** is a one-component brush, roller or spray applied, non-flammable, air and vapor barrier used in wall construction. SOPRASEAL LM 203 is a water-based, ultra-low VOC, liquid-applied product composed of a modified rubber.

**SOPRASEAL LM 203** 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 203** 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.

## LIMITATIONS:

- Not to be applied to contaminated substrates or frost covered surfaces.
- 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.



# SOPRASEAL<sup>®</sup>

## LM 203

Air and Vapor Barrier

PRODUCT DATA SHEET PD10298 - REV.220602



APPLICATIONS

WALLS

### TECHNICAL INFORMATION & TESTING:

PROPERTY	VALUE	TEST METHOD
Air leakage of air barrier assemblies @ 1.57 psf (75 Pa) positive/past conditioning; cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0001 (0.0005) - PASS	ASTM E2357
Air leakage of air barrier assemblies @ 1.57 psf negative/past conditioning; cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0003 (0.0015) - PASS	ASTM E2357
Air permeance of building materials @ 1.57 psf (75 Pa); cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.00098 (0.005)	ASTM E2178
Rate of air leakage @ 1.57 psf (75 Pa); cfm/ft <sup>2</sup> (L/s • m <sup>2</sup> )	0.0037 (0.019)	ASTM E283
Water vapor transmission @ 26 mils (0.66 mm) wet thickness; perms (ng/Pa • s • m <sup>2</sup> )	0.09 (5.15)	ASTM E96 Method B
Water vapor transmission @ 10 mils (0.25 mm) wet thickness; perms (ng/Pa • s • m <sup>2</sup> )	0.18 (10.30)	ASTM E96 Method B
Pull-off strength of coatings	Pass	ASTM D4541
Nail sealability (without sheathing fabric)	Pass	ASTM D1970
Compound stability (elevated temperature)	No dripping or drop formation up to 350°F (177°C)	ASTM D5147 section 15
Surface burning class A flame spread	< 25	ASTM E84
Surface burning class A smoke developed spread	< 450	ASTM E84
Fire resistance	Pass — Will not add or detract from the rating of a resistive wall assembly	ASTM E119/UL 263 NFPA 285
Resistance to fungal defacement	Pass	ASTM D5590
VOC content; lb/gal (g/L)	0.17 (20.4)	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.

