

# SOPRASEAL<sup>®</sup> LM 204 VP

Vapor Permeable Air Barrier



APPLICATIONS

WALLS

PRODUCT DATA SHEET PD10299 - REV.220202

## DESCRIPTION:

**SOPRASEAL LM 204 VP** is a one-component, 98% solids, liquid applied, non-flammable, vapor permeable air barrier membrane used in wall construction. **SOPRASEAL LM 204 VP** utilizes STPE technology for excellent freeze-thaw characteristics and superior curing in low relative humidity and low temperatures.

## BASIC USES:

**SOPRASEAL LM 204 VP** provides air and moisture mitigation protection behind wall claddings such as brick, siding, metal panels, EIFS, and stucco, and is applied to exterior grade gypsum sheathing or wood, as well as CMU or poured concrete walls.

## SHELF LIFE:

**SOPRASEAL LM 204 VP** has a shelf life of 12 months from the date of manufacture when properly stored in original packaging.

## CLEAN UP:

Tools and wet material can be cleaned with a mild soap and water. Cured material should be carefully and mechanically removed.

## LIMITATION:

- Not to be applied to contaminated substrates or frost covered surfaces.
- Not intended for permanent UV exposure.
- Protect from freezing

## APPLICATION:

Refer to the **SOPRASEAL LM 204 VP** application guidelines for complete details. SOPRASEAL LM 204 VP should be covered within 3 months after application. After 3 months, inspect the membrane for wear and tear or degradation and repair any areas by cleaning the membrane and applying additional materials as needed.

## WARRANTY:

Please refer to [www.SOPREMA.us](http://www.SOPREMA.us) for the SOPREMA Standard Warranty, Form 115, or contact SOPREMA<sup>®</sup> at 800.356.3521 for more information.

|                | SOPRASEAL LM 204 VP           |
|----------------|-------------------------------|
| Color          | Blue                          |
| Percent Solids | 98%                           |
| Pails / Pallet | 36                            |
| Volume         | 5 Gal (19 L) / 50 Gal (189 L) |
| Product Code   | A506 / A507                   |



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| PROPERTY  | VALUE   | TEST METHOD              |
|---|---|--------------------------|
| Air Leakage Rate, cfm/ft <sup>2</sup> (L/s·m <sup>2</sup> )<br>@ ΔP=1.57 psf (75 Pa)  | 0.00034 (0.0017)  | ASTM E2178               |
| Water resistance  | Pass  | AATCC 127                |
| Fastener sealability  | Pass  | ASTM D1970               |
| <b>Pull adhesion, psi (kN/m<sup>2</sup>)</b><br>Adhesion to CMU<br>Adhesion to DensGlass<br>Adhesion to concrete<br>Adhesion to plywood   | 134 (924)<br>67 (462)<br>162 (1117)<br>177 (1220)   | ASTM D4541<br>(Method E) |
| Crack bridging  | No cracking, splitting, pinholes or any other condition in the area of the joint            | ASTM C1305               |
| <b>Moisture vapor permeance, perms (ng/s·m<sup>2</sup>·Pa)</b><br><br>@ 40 mils film thickness<br>Desiccant Method<br>Water Method<br><br>@ 30 mils film thickness<br>Desiccant Method<br>Water Method<br><br>@ 20 mils film thickness<br>Desiccant Method<br>Water Method                                      | 10.5 (601)<br>16.6 (950)<br><br>15.8 (902)<br>24.2 (1425)<br><br>21.0 (1202)<br>33.2 (1900) | ASTM E96                 |
| System air leakage rating, cfm/ft <sup>2</sup> (L/s·m <sup>2</sup> )<br><b>Specimen 1: opaque wall;</b><br>after wind conditioning @ ΔP= 75Pa (L/ (s·m <sup>2</sup> ))<br><br>Penetrations check, cfm/ft <sup>2</sup> ((L/s·m <sup>2</sup> )<br><b>Specimen 2: penetration wall;</b><br>@ reference air leakage | 0.0004 (0.002)<br><br>0.0004 (0.002)  | ASTM E2357               |
| Coverage: application rate, ft <sup>2</sup> /gal (m <sup>2</sup> /L)<br>@ 40 dry mil thickness<br>@ 30 dry mil thickness<br>@ 20 dry mil thickness  | 39-40 (0.95-0.98)<br>59-60 (1.43-1.48)<br>78-80 (1.91-1.98)                                 | -                        |
| Tensile Strength, lb/in <sup>2</sup> (kN/m <sup>2</sup> )<br>Elongation, %  | Meets Class A<br>185 (1276)<br>296  | ASTM D412, Die C         |
| Surface Burning   | Flame Spread Index - 25<br>Smoke Development Index - 0                                      | UL 723<br>Meets Class A  |
| Fire Testing  | Approved in various NFPA 285 tested wall assemblies   | NFPA 285                 |
| Service Temperature Range   | -40°F to 180°F  | -                        |