

SOPRASEAL®

LM 204 VP

SOPRASEAL® LM 204 VP
PRODUCT # A506

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SOPRASEAL LM 204 VP is a one-component, 98% solids content, liquid applied, vapor-permeable air barrier membrane used in wall construction. SOPRASEAL LM 204 VP is STPE technology that has excellent freeze-thaw characteristics and superior curing in low relative humidity and low temperatures. SOPRASEAL LM 204 VP doesn't shrink and requires less wet film to achieve dry film thickness. This moisture curable hybrid material is a non-flammable vapor permeable air barrier, which provides moisture protection behind wall claddings such as brick, siding, metal panels, EIFS and stucco. Utilization of a drainage plane is required for stucco cladding.

STORAGE & HANDLING

Product must be stored indoors in a cool, dry environment. Store materials at 40°F (4°C). At the jobsite protect the product from extreme heat and direct sunlight. SOPRASEAL LM 204 VP has a shelf life of 2 years from the date of manufacture when properly stored in the original packaging.

APPLICATION

SOPRASEAL LM 204 VP can be applied down to 25°F (-4°C) without the use of additional additives. The most effective application method utilizes spray equipment but a 3/4" (19mm) nap roller or a paint brush may be used. Once the application is complete, inspect the wall for any light areas, blisters, holes or areas that need attention. Please refer to SOPREMA specifications and installation instructions for additional application guidelines prior to use.



APPLICATION



SPRAY APPLIED



BRUSH



ROLLER

QUICK FACTS

| COLOR | SOLIDS | PAILS/PALLET | VOLUME (GAL) |
|-------|--------|--------------|--------------|
| Blue | 98% | 36 | 5 (19 L) |



SOPREMA®

www.soprema.us
310 Quadral Drive, Wadsworth, Ohio 44281
Toll Free: (800) 356-3521 | Tel: (330) 334-0066

TECHNICAL INFORMATION & TESTING

| PHYSICAL PROPERTIES | | |
|--|---|-------------------------|
| PROPERTY | | TEST METHOD |
| Air permeance, cfm/ft ² (L/s·m ²) @ ΔP=1.57 psf (75 Pa) | 0.00008 (0.0004) | ASTM E2178 |
| Water resistance | Pass | AATCC 127 |
| Fastener sealability | Pass | ASTM D1970 |
| Pull adhesion, psi (kN/m ²) Adhesion to CMU Adhesion to DensGlass Adhesion to concrete Adhesion to plywood | 134 (924) 67 (462) 162 (1117) 177 (1220) | ASTM D4541 (Method E) |
| Crack bridging | No cracking, splitting, pinholes or any other condition in the area of the joint | ASTM C1305 |
| Moisture vapor permeance, perms (ng/s·m ² ·Pa) @ 40 mils film thickness Method A Method B @ 30 mils film thickness Method A Method B @ 20 mils film thickness Method A Method B | 10.5 (601) 16.6 (950) 15.8 (902) 24.9 (1425) 21.0 (1202) 33.2 (1900) | ASTM E96 |
| System air leakage rating, cfm/ft ² (L/s·m ²) Specimen 1: opaque wall; after wind conditioning @ ΔP= 75Pa (L/ (s·m ²)) Penetrations check, cfm/ft ² (L/s·m ²) Specimen 2: penetration wall; @ reference air leakage | 0.0004 (0.002) 0.0004 (0.002) | ASTM E2357 |
| Coverage: application rate, ft ² /gal (m ² /L) @ 40 dry mil thickness @ 30 dry mil thickness @ 20 dry mil thickness | 39-40 (0.95-0.98) 59-60 (1.43-1.48) 78-80 (1.91-1.98) | - |
| Tensile Strength, lb/in ² (kN/m ²) Elongation, % | 185 (1276) 296 | ASTM D412, Die C |
| Surface Burning | Flame Spread Index - 25 Smoke Development Index - 0 | UL 753 Meets Class A |