SOPRASEAL
LM 202 VP

TECHNICAL DATA SHEET 160926CANE (supersedes 160622SCAN1E)

COMPLEMENTARY PRODUCTS

APPLICATIONS

WALLS

DESCRIPTION
SOPRASEAL LM 202 VP is a single component liquid, made from modified rubber. SOPRASEAL LM 202 VP is used as an vapour permeable air barrier and provides moisture protection behind wall claddings including brick, siding, metal panels, EIFS and stucco. Utilization of a slipsheet is required for stucco cladding.

RECOMMENDED SUBSTRATES
This product can be used on most building surfaces, such as masonry, concrete, wood and gypsum.

SOPRASEAL LM 202 VP can also be used with SOPRASEAL STICK FLASHPRO HT and SOPRASEAL STICK 1100 T membranes at openings.

SURFACE PREPARATION
The substrate should be clean, sound, free of excess water and loose materials, grease and any contaminants. which may compromise the performance of the product.

APPLICATION
Apply SOPRASEAL LM 202 VP at openings, sheathing joints, inside and outside corners and immediately place SOPRASEAL QUICK CORNER at corner openings and SOPRASEAL MESH at openings, sheating joints, inside and outside corners. SOPRASEAL QUICK CORNER and SOPRASEAL MESH must be completely saturated with SOPRASEAL LM 202 VP.

To apply SOPRASEAL LM 202 VP use a 19 mm (¾ in) nap roller, paint brush or spray equipment.

Minimum application temperature: 4 °C (40 °F). To apply SOPRASEAL LM 202 VP at temperatures below 4 °C (40 °F), but above -4°C (25 °F), blend 1 entire quart container of SOPRASEAL LT ADDITIVE.

Allow to dry completely, typically 2 to 4 hours at 25°C (77°F) and 50% relative humidity.

EQUIPMENT
The use of a 25/30 ¼" MEG tip with spraying equipment comprising a diaphragm pump and a minimum of 5 HP compressor (minimum 30 gallons) is recommended.

Recommended spraying pressure: 45 psi.

RESTRICTION
Do not use SOPRASEAL LM 202 VP for below grade applications or on surfaces suject to water immersion.
For proper curing, the minimum curing temperature is 4 °C (40 °F) and it must be maintained for the length of curing process.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

TDS_SOPRASEAL_LM_202_VP.indd

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.

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PACKAGING

Specifications	SOPRASEAL LM 202 VP
Colour	Red-brown
Solids	74%
Coverage per 19 L per pail	33 m^2 to 46 m^2 (350 ft^2 to 500 ft^2)*
Embeded Sopraseal Mesh per pail**	100 mm (4") / 192 m (630 ft) 150 mm (6") / 128 m (420 ft) 230 mm (9") / 85 m (280 ft)
Dimensions of Sopraseal Mesh	4" Sheating fabric: 101.5 mm x 54.8 m (4" x 180 ft) roll 6" Sheating fabric: 152.4 mm x 54.8 m (6" x 180 ft) roll 9" Sheating fabric: 228.5 mm x 54.8 m (9" x 180 ft) roll

* Coverage rates are approximative and may vary due to the application technique and substrates.
** SOPRASEAL MESH saturated with SOPRASEAL LM 202 VP, when applied per manufacturer instructions, self gauges to 0,75-1 mm (30-40 mil) thickness.
(All values are nominal)

PROPERTIES

Properties	Standards	SOPRASEAL LM 202 VP
Air leakage resistance (assembly) - 75 Pa (1.57 psf) positive / post conditioning - 75 Pa (1.57 psf) negative / post conditioning	ASTM E2357	0.0007 L/s•m^2 (0.0001 cfm/ft^2) 0.0014 L/s•m^2 (0.0003 cfm/ft^2)
Air permeability - 75 Pa (1.57 psf)	ASTM E2178	0.0049 L/s•m^2 (0.00098 cfm/ft^2)
Rate of air leakage	ASTM E283	0.0185 L/s•m^2 (0.0037 cfm/ft^2)
Water vapour transmission - 0.5 mm (20 mil) wet film thickness - 0.25 mm (10 mil) wet film thickness	ASTM E96 Method B	800 ng/Pa•s•m^2 (14 perm) 1030 ng/Pa•s•m^2 (18 perm)
Pull-off strength of coatings	ASTM D4541	Pass - Min, 110 kPa (15.9 psi) or substrate failure (tested over gypsum sheating)
Nail sealability (without sheathing fabric)	ASTM D1970	Pass
Compound stability (elevated temperature)	ASTM D5147 (section 15)	No flowing, dripping or drop formation up to 177 °C (350 °F)
Surface burning - Class A flame spread - Class A smoke developed spread	ASTM E84	< 25 < 450
Fire resistance	ASTM E119/UL263 NFPA 285	Will not add or detract the rating of a fire resistive wall assembly Pass
Resistance to fungual defacement	ASTM D5590	Pass

(All values are nominal)

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PROPERTIES

ICC-ES AC 212 ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTIVE BARRIERS OVER EXTERIOR SHEATHING		
SEQUENTIAL TESTING: PROPERTIES		
Properties	**Standards**	**SOPRASEAL LM 202 VP**
1- Structural 2- Racking 3- Restrained environmental conditioning 4- Water penetration @ 299 Pa (6.24 psf)	ASTM E1233 Procedure A ASTM E72 ICC-ES AC 212 ASTM E331	(1-3) No cracking at joints or interface of flashing (4) No water penetration after 90 min, tested over OSB and gypsum sheathing
SEQUENTIAL TESTING - WEATHERING: PROPERTIES		
Properties	**Standards**	**SOPRASEAL LM 202 VP**
1- UV light exposure 2- Accelerated aging 3- Hydrostatic pressure test	ICC-ES AC 212 ICC-ES AC 212 AATC 127-1985	(1-2) No cracking or bond failure to substrate (3) No water penetration
Water resistance	ASTM D2247	No sign of deleterious effects after 14 day exposure (tested over various substrates)
Freeze-thaw	ASTM D2485 Method B	No sign of deleterious effects after 10 cycles (tested over various substrates)
Tensile bond (before and after freeze-thaw), kPa (psi)	ASTM C297	> 103 (15) avg; no failure after 10 cycles freeze-thaw (tested over various substrates)
Tensile bond, kPa (psi)	ASTM C297	> 103 (15) (tested over various substrates)

(All values are nominal)

STORAGE AND HANDLING

Shelf life: Approximately 24 months, properly stored in original unopened containers. Protect from freezing, extreme heat and direct sunlight.

For more information, refer to instructions on the container label and relevant safety data sheet (SDS).

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