

MVB

— MOISTURE VAPOR BARRIER —

SIMIRON MVB is a 100% solids, two-component, epoxy primer designed for concrete floors with moisture vapor transmission (MVT) problems. This primer is applied directly to concrete to reduce the adhesion and blister effects of MVT.

SIMIRON MVB can control MVT up to 20 lbs./24 hours/1000 sq. ft. per ASTM F 1869 or 95% RH per ASTM F2170.



FEATURES & BENEFITS:

- Reduces the effects of MVT
- Excellent Adhesion to Damp Concrete
- VOC Compliant Nationwide
- Low Odor
- Low Viscosity
- One coat application

RECOMMENDED USES:

- Use under all Simiron coating systems where MVT resistance is desired.
- New Concrete
- Concrete slabs that have shown issues in applied polymer flooring.



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PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
MVB Kit	1.5-Gallon Kit	Clear	40002749
MVB Base	2-Gallon	Clear	40004071
MVB Activator	1-Gallon	Clear	40009120

TECHNICAL DATA

PHYSICAL DATA

Components	2 (Base & Activator)
Color	Clear
Finish	Gloss
Mix Ratio (by volume)	2 Base: 1 Activator
Solids by Volume	100%
Solids by Weight	100%
Mixed Viscosity	500 cPs
VOC (EPA Method 24)	0 g/L
Work Time	35 - 40 minutes (@ 77°F (25°C))

**Higher temperatures will shorten working time.*

THEORETICAL COVERAGE

Wet Milts (microns)	16 (406)
Coverage sq. ft./gal. (m ² /L)	100 (2.45)

CURE TIMES

Drying Schedule	72°F (25°C), 50% RH
Tack Free	8-12 hours
Full Cure	5 days
Minimum Recoat	12 hours
Maximum Recoat	24 hours **

***Apply another coat of epoxy or a topcoat within 24 hours of the initial coat of 1100SL. If the re-coat window is missed, the coating system will need to be sanded.*

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Adhesion	ASTM D4541	> 400 psi (100% Concrete Failure)
Compressive Strength	ASTM D695	11,600 psi
Flexural Strength	ASTM 790	12,800 psi
Hardness, Shore D	ASTM D2240	78 - 80
Permeance	ASTM E96	0.064 Perms (grains/hour/ft ²)
Taber Abrasion (CS17 Wheel, 1000g Load, 1000 Cycles)	ASTM D4060	50 mg loss
Tensile Strength	ASTM D638	9,600 psi



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SCAN FOR MORE INFO