



## ROCKHARD MVB (FAST CURING)

This product is a clear resin fast-curing moisture vapor barrier epoxy coating suitable for concrete floors. It exhibits excellent adhesion, permeability, water resistance, and chemical resistance.

<b>Use</b>	Moisture vapor barrier epoxy coating for concrete surfaces
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### Specification

<b>Paint type</b>	Modified epoxy / Modified amine (2-Component)			
<b>Dry time</b>	<b>Category</b>	<b>41°F / 5°C</b>	<b>68°F / 20°C</b>	<b>86°F / 30°C</b>
	Set-to-touch	6 hours	2 hours	1 hours
	Dry-through	12 hours	3 hours	2 hours
	Over-coat(Max.)	2 day	12 hours	8 hours
	Pot life	5 minutes	5 minutes	5 minutes
	Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site. The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.			
<b>Thinner</b>	Not Applicable	<b>Dilution ratio</b>	▷No dilution ▷In case of high viscosity in the winter season, dilute within the volume ratio 1%	
<b>Specific Gravity</b>	Approx. 1.1			
<b>Approximate Coverage</b>	0.11 kg/m <sup>2</sup> (9.8m <sup>2</sup> /ℓ)	<b>Solid volume ratio</b>	100%	
<b>Color</b>	Clear	<b>Thickness of dried film</b>	400 ~ 500 μm	
<b>Mixing ratio</b>	base(A)/hardener(B) = 2/1 (Mix by Kit) base(A)/hardener(B) = 100/45 (Mix by Weight)	<b>Finish</b>	Gloss	
<b>Shelf life</b>	12 months	<b>Contents</b>	Part A 2gallon, Part B 1gallon	

### TEST REPORT

TEST METHOD	TEST ITEM	UNIT	RESULT
ASTM E96-22	WATER VAPOR TRANSMISSION RATE OF MATERIAL	NET PERMS	0.045 (COMPLIANT)
ASTM D7234-22	ADHESION STRENGTH OF COATINGS ON CONCRETE	PSI	430 (COMPLIANT) 45 DAYS
ASTM D7234-22	ADHESION STRENGTH OF COATINGS ON CONCRETE	PSI	350 (COMPLIANT) 90 DAYS

### How to Use

<b>Surface Treatment</b>	1. Cure concrete for at least 28 days at a temperature of 69.8°F / 21°C and a relative humidity of 50%.
	2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.
	3. Poor concrete substrates should be reinforced by an additional coating to exhibit excellent adhesion.
	4. For high-strength concrete (260kg/cm <sup>2</sup> or higher), blasting treatment should be carried out.
<b>Coating Conditions</b>	1. Atmosphere Temperature: 41~95°F / 5~35°C, Surface Temperature: 104°F / 40°C or below, Relative Humidity: 80% or less
	2. Moisture content in the concrete: 6% or less
<b>Coating Method</b>	1. Reinforce cracks, crevices, and joints between walls and floors with an epoxy putty after undercoating.
	2. Apply smoothly to the base surface using a roller, etc. after evenly mixing the base and hardener.
	3. Add the hardener to the base and use after evenly mixing for 3-5 minutes with a power stirrer.
	Appropriate construction specifications
	▷Top coat : Epoxy system, urethane system

