

CMR-1000

Technical Data Sheet CMR-1000

FOR PROFESSIONAL USE ONLY

This product is intended for use by professional installers. For best project results read all the applicable product information including MSDS, Technical Data Sheet and Product Specification Sheet before using this product.

Product Description

CMR-1000 is a 2-Part, 100% epoxy primer suitable for green/new concrete or moisture remediation on older/existing slabs. CMR-1000 is formulated to reduce moisture vapor emission rate of 24 pounds to approximately 3 pounds as per the Calcium Chloride Test. CMR-1000 can be applied any time after 72 hours of the concrete being poured.

Product Application

Primer for Wood, Rubber, Vinyl Tile, Terrazzo, Brick and Resinous Flooring.

Benefits

Eliminates 28 Day Cure Period
Excellent Adhesion to Clean, Sound Damp Concrete
Reduces Alkalinity from a pH up to 14 down to a pH of 7 (ASTM D-1308)
Can be Applied at 100% RH
U.S.D.A. Compliant
V.O.C. Compliant
Low Odor/Solvent Free
D.O.T. Non Corrosive

Packaging

1 Gallon Pre-Measured Kit
4 Gallon Pre-Measured Kit
Bulk

Mixing Directions

Mix Part A and Part B together with a Jiffy blade for approximately one minute. Be careful not to introduce excess air into the material. Make sure bottom and sides of bucket are scraped to ensure complete mixing

Application Instructions

Apply the material onto the floor with a roller or squeegee to the manufacturer's recommended coverage.

Cure Times at 73°F

Pot Life	35 Minutes
Foot Traffic	6 Hours
Forklift Traffic	48 Hours
Full Chemical Resistance	7 Days

Can be applied from 35° to 90°F. The lower temperatures will take longer and the higher temperatures will be a shorter cure time.

Colors

Available in Clear and Gray.
Special colors available upon request.

Clean Up

CMR-1000 while still wet can be cleaned up with warm soapy water.

Storage/Shelf Life

Materials should be stored at 50°F - 90°F and out of direct sunlight. Shelf life is one year in unopened containers.

Safety

Please read MSDS before using this product.

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Density (lbs./gallon) for Clear

Part A: 10
 Part B: 8.6
 A & B Mixed: 9.6
 Mix Ratio (A:B): 2:1 (3:1 for pigmented)
 Density and mix ratio will vary slightly depending on color.

Set Times (Slab Temp)	50°F	73°F	90°F
Pot Life	45 Minutes	35 minutes	20 minutes
Foot Traffic	12 Hours	6 Hours	4 Hours
Forklift Traffic	72 Hours	48 Hours	24 Hours
Full Chemical Resistance	9 Days	7 Days	5 Days

Test Results

ASTM E96-12 – Sample Water Vapor Transmission Reduction

Perm Rating <.1 net perms (h⁻¹ ft² in Hg⁻¹)

ASTM D7234 Pull-Off Adhesion Strength of Coatings on Concrete

Tensile Bond Strength	Failure Mode	Temp/RH (°F °C/%)
>500 psi	No failure (cohesive failure within concrete)	73.1°F 23°C/42.4%

ASTM	TEST METHOD	RESULT
D695	Compressive Strength	7500 psi
D695	Compressive Strength at Yield	3600 psi
D638	Percent Elongation	50%
D790	Flexural Strength	4550 psi
C413	Absorption Unfilled (Liquids Only)	0%

Coverage Based on Relative Humidity (RH) (ASTM F-2170)

RH 85% or Under – 160 Square Feet Per Gallon – 10 Mils
 RH 86% – 90% - 130 Square Feet Per Gallon – 12 Mils
 RH 91% - 100% - 100 Square Feet Per Gallon – 16 Mils

Coverage Rates as per ASTM F-1869 (CaCl)

Up to 10 pounds – 160 Square Feet Per Gallon – 10 Mils
 11 – 15 pounds – 130 Square Feet Per Gallon – 12 Mils
 16 – 24 pounds – 100 Square Feet Per Gallon – 16 Mils

Warranty

Corvixx Polymers Corporation warrants our products to be free of manufacturing defects. Liability for products proven defective is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Corvixx Polymers Corporation. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CORVIXX POLYMERS CORPORATION, EXPRESSED OR IMPLIED.

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