



COMPONENT DATA SHEET

Kelmar®
waterproofing systems

KELMAR® MVB

Moisture Vapor Barrier Coating

Description

KELMAR® MVB is a two-part epoxy system designed to meet ASTM F-3010 standards. KELMAR® MVB reduces transmission of moisture vapors through the concrete slab to levels acceptable for installation of various flooring systems.

Typical Uses

- As a vapor barrier primer before application of epoxy coatings
- Prior to installation of stone, ceramic & vinyl tiles, wood & laminate flooring, carpet, terrazzo

Features

- Low emissions – alkyl phenol free
- Commercial product for primer and topcoat applications
- Minimum moisture vapor permeance of 0.1 perms (ASTM E-96)
- LEED V4 compliant

Limitations

- Substrate MUST be between 10°C and 32°C (50°F and 90°F) during conditioning and application
- Tensile strength of prepared concrete must be minimum of 200psi
- New concrete must cure 7 days minimum prior to application

Package Sizes

KELMAR® MVB is available in the following sizes:

- 3 Gallon US Kit
- 15 Gallon US Kit
- 150 Gallon US Kit

Physical Properties

•Adhesion to wet concrete 7 Day cure @ 24°C (75°F) (ASTM D638)	300 psi (2.07Mpa)
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•Permeance @ 16mils (grains/hr/ft ² /in.Hg) (ASTM E96 wet method)	0.064 Perms
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•Hardness, Shore D	
4 Hrs	25
8 Hrs	38
16 Hrs	76
24 Hrs	80

•Pot Life 200g @ 24°C (75°F)	65 min.
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•Walk on Time	Approximately 11 hours at 24°C (75°F)
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Note that cooler temperatures will result in longer cure times and warmer temperatures will result in shorter cure times

Safety Precautions

Please refer to product Safety Data Sheet.

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