

## I. PRODUCT AND MANUFACTURER IDENTIFICATION

<b>Product Name</b>	M.V.B 100	
<b>Manufacturer</b>	Concrete Floor Supply	
<b>Address</b>	13024 2 <sup>nd</sup> Street Suite A Grandview, MO 64030 U.S.A.	
<b>Emergency Phone</b>	844-599-2319	
<b>Information Phone</b>	844-599-2319	
<b>Email</b>	team@concretefloorsupply.com	
<b>Website</b>	<a href="http://www.concretefloorsupply.com">www.concretefloorsupply.com</a>	<b>Date Revised</b> May 14, 2018

## II. DESCRIPTION

M.V.B. 100 is a high-performance epoxy primer system designed to reduce water vapor transmission. When applied to properly prepared concrete, M.V.B. 100 has shown to have improved adhesion to concrete surfaces where moisture is an issue and other high-performance coatings have failed.

## III. ADVANTAGES AND CONSIDERATIONS

- Superior adhesion for concrete affected by moisture vapor transmission.
- Excellent base coat for many epoxies and urethanes.
- Performs well where other coatings fail.
- Avoid applications on surfaces without effective vapor barriers
- Surfaces must be sound and without contaminates.
- Application temperatures should be 50-80 °F

#### IV. PHYSICAL PROPERTIES

VOC	< 5 grams per liter
Color	Clear
Coverage Per Gallon	200 square feet per gallon
Packing Information	3 Pint, 1.5 Gallon and 3 Gallon
Mix Ratio	2 parts A to 1-part B by Volume
Shelf Life	1 year in unopened containers
Blush Resistance	Good
Solvent Resistance	Good
Concrete Adhesion	Excellent
DOT Classification	Part A: Not Regulated Part B: <b>CORROSIVE LIQUIDS N.O.S., 8, UN2735, PGIII</b>

#### VI. CURE SCHEDULE 75°F

Drying Time	4-10 Hours
Recoat or Topcoat	8-24 Hours Minimum
Light Foot Traffic	12-24 Hours Minimum
Heavy Traffic	24-48 Hours

#### VII. LIMITATIONS

- This product will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- This product is NOT intended for use over vegetable oil, animal fat or synthetic oil contaminated concrete.
- This product can withstand exposure to many common solvents and chemicals.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- All new concrete must be cured for at least 28 days prior to application.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.

## VIII. MIXING AND APPLICATION INSTRUCTIONS

**SURFACE PREP:** A fine to medium shot blasting or the use of a diamond grinding machine to obtain a surface profile of a CSP - 3 to a CSP - 5 is suggested for ultimate adhesion. A test should be made to determine that the concrete is dry; this can be done by placing a 4 x 4 plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate should be ready to coat. More advanced moisture testing kits should be used on floors with suspected moisture problems. Apply coating to a clean surface that is completely dry and free of oil, dirt, grime, wax, detergent or any incompatible paint or coating. If multiple coats of **M.V.B 100** are required, apply the second coat as close as possible to the suggested recoat time (see technical information section on this data sheet). Do not exceed 24 hours to recoat or a light sanding may be needed for adequate adhesion between coats. Fill cracks and spalls with Instant Medic Flex or Instant Medic Hard.

Substrate and air temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F which can cause extreme bubbling issues.

**MIXING:** Mix Part A & Part B separately with a stir stick, low speed mixer or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Mix only full, pre-packaged kits. Do not separate into smaller kits. Pour a full pre-packaged kit of 2 parts of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer for 2 full minutes to ensure the material is thoroughly mixed and homogenous. Avoid whipping air into the coating. Improper mixing may result in product failure.

**COVERAGE RATE:** First Coat: 200 - 250 ft<sup>2</sup> per gallon\*

*\*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.*

**APPLICATION:** Apply the mixed material by brush or roller with a 1/2" nap - 3/4" nap shed less roller cover within the usable pot life time frame, at 200 - 250 sq. ft. per gallon. A second applicator on spiked shoes should be back rolling the wet material to ensure uniform distribution. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to Puddle! If recoating after 24 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

***PLEASE NOTE:** Applying material outside the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK.*

## VIII. WARRANTY

**Concrete Floor Supply**® warrants that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine suitability of our product for your purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.