



ABOUT EPOXY PRIMER-M.V.B 100

M.V.B 100 IS A HIGH-PERFORMANCE EPOXY PRIMER SYSTEM DESIGNED TO REDUCE WATER VAPOR TRANSMISSION. WHEN APPLIED TO A PROPERLY PREPPED 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.



BENEFITS

- SUPERIOR ADHESION
- EXCELLENT BASE COAT
- PERFORMS WELL WHERE OTHER COATING FAIL

Typical Properties & Technical Information

PROPERTY	VALUE
Coverage Per Gallon	100 square feet per gallon
Dry Time - Tack Free	4 - 10 hours
Dry Time - Foot Traffic	12 - 24 hours
Dry Time - Heavy Traffic	24 - 48 hours
Re-Coat Time Window	8 - 24 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 5 grams/Liter
Mix Ratio	2 parts A to 1 part B
Shelf Life	1 year in unopened

APPROXIMATE COVERAGE RATES

Theoretical Coverage @ 90% Solids (Volume) per gallon

DFT.....1,283 ft. @ 1 mils

DFT.....641 ft. @ 2 mils

DFT.....428 ft. @ 3 mils

DFT..... 320 ft. @ 4 mils

DFT.....257 ft. @ 5 mils

DFT.....213 ft. @ 6 mils

SHELF LIFE

Moisture Mitigating Epoxy Primer-M.V.B 100 has a shelf life of up to 1 year in unopened containers

PACKAGING

Moisture Mitigating Epoxy Primer-M.V.B 100 is packaged in 3 Pint, 1.5 Gallon and 3Gallon

INSTRUCTIONS FOR USE

SURFACE PREPARATION: 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 informatio 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, prepackaged 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 ft² per gallon*

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

APPLICATION INSTRUCTIONS: 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.

FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS. 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. Increased temperature will shorten re-coat window. Decreased temperature will lengthen re-coat window.

CLEAN UP

Use Xylene. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Dried, cured polyaspartic may be removed by using a diamond grinding method, sandblasting method or similar mechanical action. If chemical stripping is desired use Concrete Floor Supply's Snot coatings stripper.

PRECAUTIONS AND LIMITATIONS

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- 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.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Aluminum Oxide, 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.
- Physical properties listed on this technical data sheet are typical values not specifications.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 844-599-2319.