

MAVPRIME MVT

PRODUCT DESCRIPTION

MAVERICK MAVPRIME MVT is a two-component, 100% solids, high-performance epoxy floor coating / primer that is moisture tolerant and able to be applied to green concrete. Mixed with MavTints color packs, this durable material cures to a smooth, glossy surface or, with the addition of aggregate, a non-skid texture. MavPrime MVT can be used as a primer under other flooring systems or as a standalone coating.

FEATURES AND BENEFITS

- Can be applied to green concrete
- 1 coat for up to 85% RH; 2 coats for above 85% RH
- Can be used as a primer or a coating
- Seamless, durable finish
- Available in clear or colors
- Zero VOC, very low odor

RECOMMENDED USES

- Fast-track construction projects
- Green concrete primer under Maverick epoxy and polymer floor coatings
- Under vinyl tile and carpet
- As a standalone coating or sealer
- Pigmented as a coating system
- Over high-moisture underlayments

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	KIT CONTENTS
MavPrime MVT	3-Gallon Kit	Clear or Pigmented / Gloss	2 gal Part A : 1 gal Part B
MavPrime MVT	15-Gallon Kit	Clear or Pigmented / Gloss	10 gal Part A : 5 gal Part B
MavPrime MVT	150-Gallon Kit	Clear or Pigmented / Gloss	100 gal Part A : 50 gal Part B

Add one **MavTints** color pack per 3 mixed gallons of **MavPrime MVT**. For white, light, and safety colors, use 2 color packs per 3 mixed gallons.

TECHNICAL DATA

PHYSICAL DATA	
Components	2 (Part A Resin & Part B Hardener)
Generic Type	Green concrete epoxy coating / primer
Color	Clear; pigmentable with MavTints
Mix Ratio (by volume)	2 Part A : 1 Part B
Curing Mechanism	Chemical reaction between components
Solids by Volume	100%
VOC	Zero VOC
Pot Life	25 minutes (@77°F)*

*Higher temperatures will shorten pot-life and working time.

THEORETICAL COVERAGE	
Wet Mils (microns)	8 - 10 (203 - 254) per coat
Coverage sq. ft./gal. (m ² /L)	200 (4.9) per coat @ 8 mils

Typical: 2 coats @ 200 sq. ft./gal. = 16 mils total.

CURE TIMES	
Drying Schedule	77°F (25°C)
Tack Free	Approx. 10 hours **
Foot Traffic	12 - 24 hours
Light Service	24 hours
Full Service	48 - 72 hours
Minimum Recoat	When tack free **
Maximum Recoat	24 hours ***

**Tack-free and recoat times based on 70°F.

***Apply the next coat over **MavPrime MVT** within 24 hours.

If the recoat window is missed, the coating must be sanded before recoating.



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PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Compressive Strength	ASTM C579	7,000 psi
Tensile Strength	ASTM D638	1,500 psi
Flexural Strength	ASTM C580	3,500 psi
Hardness, Shore D	ASTM D2240	80 – 85
Bond Strength	ASTM D4541	425 psi
Abrasion Resistance	ASTM D4060	80 mg
Volume Solids	—	100%

Typical properties at 70°F. Data reflects typical results based on laboratory testing under controlled conditions; variations may result. Test methods are modified where applicable.

SURFACE PREPARATION

Apply only to clean and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases, or any other contaminants that may negatively affect adhesion.

- Concrete contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Concrete must have a minimum surface tensile strength of 300 psi per ASTM D4541.
- Mechanically prepare to a CSP 3 – CSP 5 profile per ICRI Guideline 310.2R (equal to 60-grit sandpaper or coarser).
- Address all surface irregularities, cracks, expansion joints and control joints prior to application.

MOISTURE / GREEN CONCRETE:

Measure concrete relative humidity (RH) before application. Up to 85% RH, one 8 – 10 mil coat is sufficient. Above 85% RH, apply two full 8 – 10 mil coats. See Application Procedure.

OUTGASSING:

Outgassing may occur due to the porosity of some concrete. Apply primer and coating while the substrate temperature is dropping (typically evening), verified with a surface thermometer. Double priming greatly reduces outgassing.

TEMPERATURE

Air	50° – 95°F	10° – 35°C
Surface	Minimum 5°F above dew point	
Storage	65° – 80°F	18° – 27°C

Higher temperatures will shorten pot-life and working time.

Floor temperature must be at least 5 degrees over the current dew point.

APPLICATION PROCEDURE

MavPrime MVT mix ratio is 2 Parts A (Resin) to 1 Part B (Hardener) by volume.

1. For new concrete above 85% RH, apply two full 8 – 10 mil coats of **MavPrime MVT**. Using two different colors, or a clear first coat and a pigmented second coat, aids complete coverage. For new concrete below 85% RH, one 8 – 10 mil coat is sufficient; two coats help ensure complete coverage.
2. Pre-mix Part A prior to use.
3. If pigmenting, add pre-mixed **MavTints** to Part A: one color pack per 3 mixed gallons; two packs for white, light, and safety colors.
4. Pour Part B into the Part A pail and mix for a minimum of two minutes using a Jiffy-type mixer at low speed. Scrape the sides of the pail to ensure all product is properly mixed; any unmixed material left on the side of the pail will not cure.
5. Apply mixed material by roller, or by squeegee and back-roll. Move quickly and empty the pail onto the concrete as fast as possible to provide maximum working time. Material left in the pail will generate heat and have a reduced pot life.
6. After the first coat is tack free (approx. 10 hours @ 70°F) and before the 24-hour recoat window closes, apply the second coat.
7. Maverick offers a complete line of topcoats for increased resistance to UV exposure, chemicals and high traffic.

APPLICATION EQUIPMENT

Assemble all equipment. Equipment will include (but is not limited to):

- Drill and Jiffy® type mixing blade (low speed)
- Spiked shoes
- Flat or notched squeegee
- 3/8" shed-resistant woven roller covers with phenolic core
- Edge rollers, chip brushes
- Clean, dry aggregate (for non-skid texture)
- Painter's tape, duct tape, measuring and mixing containers

CLEAN UP AND DISPOSAL

Clean up mixing and application equipment immediately after use. Use toluene, acetone or xylene; do not use alcohol. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state and federal regulations when disposing of materials.

MAINTENANCE

To maintain the appearance and extend the life of the coated surface, it is imperative to have a routine maintenance program. Floors should be sloped to drain to prevent standing water or chemicals. Sweep and mop/scrub floors regularly using soft bristles/pads and a mild cleaner. Some cleaning products and equipment, or improper use of these, can damage a surface. Remove spills quickly. Place walk-off mats at entrances. Reapplication may be necessary in heavy traffic areas.

LIMITATIONS

- ⚠ **MavPrime MVT** is not designed for exterior use or constant immersion applications.
- ⚠ Confirm product performance in the specific chemical environment prior to use.
- ⚠ Prepare substrate according to the Surface Preparation section of this document.
- ⚠ Do not apply to slabs on grade unless a heavy, unruptured vapor barrier has been installed under the slab.
- ⚠ Do not apply at a temperature or thickness not recommended.
- ⚠ Always use protective clothing consistent with OSHA regulations during use.
- ⚠ Refer to the Safety Data Sheet (SDS) for detailed safety precautions.
- ⚠ For industrial/commercial use. Installation by trained personnel only.

SHELF LIFE AND STORAGE

12 months from date of manufacture when stored indoors in the original unopened container at 65°F – 80°F (18°C – 27°C) in a dry location.

- ⚠ Do not allow materials to freeze.

TECHNICAL ASSISTANCE

- ❓ Information is available by calling Maverick
313-889-2526

LIMITED WARRANTY

Maverick warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). Maverick will replace at no charge the quantity of the Coating that Maverick determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded. Warranty is void if Maverick products are mixed with or used in conjunction with materials that are substituted for Maverick products. Warranty is nontransferable.

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