

PRODUCT DESCRIPTION

MAVERICK MAVCOAT NV is a 100% solids, multi-functional, two-component novolac epoxy coating suited for concrete substrates in aggressive chemical environments. The coating combines an epoxy novolac resin with broadcast aggregate to provide maximum durability and superior concrete compatibility.

FEATURES AND BENEFITS

- Resists concentrated acids including 98% sulfuric acid, urea ammonium nitrate (UAN), and other aggressive chemicals
- Superior thermal compatibility with concrete
- Improved thermal shock resistance
- 100% solids, zero VOC formulation
- No baking required to achieve properties
- Superior toughness compared to conventional novolac coatings
- Available with EPA-approved antimicrobial additives

RECOMMENDED USES

- Process area floors
- Chemical processing plants
- Battery charging areas
- Truck loading / unloading areas
- Secondary containment
- Pump pads, pedestals, and curbs
- Chemical-resistant topcoat over Maverick flooring systems, including MavCrete UM

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	KIT CONTENTS
MavCoat NV	3-Gallon Kit	Pigmented (MavTints)	2 gal Part A : 1 gal Part B

Each 3-gallon kit of **MavCoat NV** is pigmented with one **MavTints** color pack. **Tile Red** is recommended for high chemical-resistance applications.

TECHNICAL DATA

PHYSICAL DATA	
Components	2 (Part A Resin & Part B Hardener)
Generic Type	Modified novolac epoxy
Color	Pigmented 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)	14 (356) per coat
Coverage sq. ft./gal. (m ² /L)	110 (2.7) per coat

CURE TIMES	
Drying Schedule	77°F (25°C)
Tack Free	10 hours **
Light Foot Traffic	16 hours
Full Service	5 – 7 days
Minimum Recoat	When tack free (approx. 10 hours) **
Maximum Recoat	24 hours ***

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

***Apply second coat of **MavCoat NV** within 24 hours of the first coat.
If the recoat window is missed, the coating must be sanded before recoating.



PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Compressive Strength	ASTM C579	19,000 psi
Tensile Strength	ASTM D638	4,000 psi
Flexural Strength	ASTM C580	4,300 psi
Hardness, Shore D	ASTM D2240	85 – 90
Bond Strength	ASTM D4541	425 psi
Abrasion Resistance	ASTM D4060	70 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, dry, and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases, or any other contaminants that may negatively affect adhesion.

- New concrete should be cured a minimum of 28 days. For green concrete, prime with MavPrime MVT.
- 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 VAPOR BARRIER:

Do not apply to slabs on grade unless a heavy, unruptured vapor barrier has been installed under the slab. Moisture vapor transmission (MVT) must be 3 lbs. or less per 1,000 sq. ft. in 24 hours per ASTM F1869, and in-situ relative humidity (RH) must be below 75% per ASTM F2170.

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

MavCoat NV mix ratio is 2 Parts A (Resin) to 1 Part B (Hardener) by volume. Typical system: primer plus 2 coats of **MavCoat NV**.

1. Prime the concrete with **MavPrime EP** at 200 – 533 sq. ft./gal. (3 – 8 mils). For green concrete, prime with **MavPrime MVT**.
2. Pre-mix Part A prior to use.
3. If pigmenting, add one pre-mixed **MavTints** color pack to Part A per 3 mixed gallons.
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. Back-roll lightly if necessary. **Do not over-roll** – excess rolling may introduce small air bubbles into the system.
6. For a non-skid finish, broadcast clean, dry silica sand or aluminum oxide into the wet resin and allow to cure. A full broadcast to refusal produces the best-looking and most durable system. Remove all excess aggregate and scrape the floor before applying the second coat.
7. After the first coat is tack free (approx. 10 hours @ 70°F) and before the 24-hour recoat window closes, apply the second coat.
8. **MavCoat NV** may stain in the presence of certain chemicals. Staining is not an indication of coating failure.

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 silica sand or aluminum oxide (non-skid broadcast)
- Painter's tape, duct tape, measuring and mixing containers



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MAVCOAT NV

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. Remove spilled chemicals within 24 hours of the spill. 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. Place walk-off mats at entrances. Reapplication may be necessary in heavy traffic areas.

LIMITATIONS

- ⚠ **MavCoat NV** is not designed for exterior use or constant immersion applications.
- ⚠ **MavCoat NV** may stain when exposed to certain chemicals.
- ⚠ Confirm product performance in the specific chemical environment prior to use.
- ⚠ Do not apply to slabs on grade without a heavy, unruptured vapor barrier, or where moisture / MVT is present.
- ⚠ Prepare substrate according to the Surface Preparation section of this document.
- ⚠ Do not apply at a temperature or thickness not recommended.
- ⚠ 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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PRODUCT DATA SHEET: 09/29/2026

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