

PRODUCT DESCRIPTION

MAVERICK MAVSEAL UHD is a three-component, high-performance, abrasion-resistant aliphatic coating containing high-traffic filler, designed for industrial and commercial applications. MavSeal UHD contains near-zero VOCs and has very little odor during application. It offers excellent wear properties and chemical resistance for high-performance applications, and is suited for use as a topcoat over an epoxy system or alone over primed floor surfaces.

FEATURES AND BENEFITS

- Superior wear resistance and durability
- Minimizes effects of heavy industrial traffic
- Non-yellowing, low-sheen finish with excellent color retention
- Lasts up to 4 times longer than standard epoxies
- Very low odor, low VOC
- Available with EPA-approved antimicrobial additives

RECOMMENDED USES

- Warehousing and manufacturing facilities
- Stadiums and other entertainment venues
- Educational and institutional facilities
- Aircraft hangars
- Automotive service bays
- Laboratories
- Hospitals and healthcare facilities
- Animal holding areas

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	KIT CONTENTS
MavSeal UHD	2.5-Gallon Kit	Clear or Pigmented / Low-Sheen	½ gal A : 2 gal B + High Wear Filler

*Each **MavSeal UHD** kit includes the High Wear Filler additive; pigment with **MavTints**. Typical application: final topcoat over a MavClad epoxy system.*

TECHNICAL DATA

PHYSICAL DATA	
Components	3 (Part A, Part B, High Wear Filler)
Generic Type	Aliphatic polyurethane with high-wear filler
Color / Finish	Clear or pigmented / Low-sheen
Mix Ratio (by volume)	1 Part A : 4 Part B + filler
Solids by Volume	92%
VOC	16 g/L (0.12 lb/gal)
Pot Life	60 minutes (@77°F) *

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

THEORETICAL COVERAGE	
Wet Mills (microns)	3 – 4 (76 – 102) maximum
Coverage sq. ft./gal. (m ² /L)	450 (11.0) @ 3.5 mils

CURE TIMES	
Drying Schedule	77°F (25°C)
Foot Traffic	12 hours
Full Service	48 hours
Vehicle Parking	After 36 hours

Cure times are based on 77°F.



PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Abrasion Resistance (CS-17, 1000 g, 1000 cycles)	ASTM D4060	20 mg
Coefficient of Friction	—	0.70
VOC	—	16 g/L (0.12 lb/gal)
Volume Solids	—	92%

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.

- **MavSeal UHD** should not be applied directly to concrete. Install over a primer or as a topcoat over another Maverick system.
- New concrete should be cured a minimum of 28 days. For green concrete, see **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° – 85°F	10° – 29°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

MavSeal UHD is normally applied over a primer such as **MavPrime EP** or **MavPrime MVT**, or as a finish coat over a MavClad epoxy floor system. See applicable data sheets for detailed installation instructions.

1. When topcoating a MavCoat epoxy, apply within 24 hours of the epoxy installation. If 24 hours has passed, sand the coating and wipe with a 50:50 mixture of water and isopropanol. Once the cleaner has flashed, proceed with application.
2. If pigmenting, blend **MavTints** with Part B before adding Part A.
3. Mix Part A into Part B with a Jiffy-type mixer operated at medium speed.
4. Add the UHD High Wear Filler and mix for 2 additional minutes.
5. Install by the dip-and-roll method from a roller pan. **Do not squeegee.** Keep the filler in suspension by stirring with the roller on each dip into the pan.
6. Apply at 3 – 4 mils WFT (maximum) using 1/4" or 1/8" nap rollers; the coating may foam at greater film thickness. To minimize lap lines, immediately cross-roll (uniform 90° angle to the initial pass).

APPLICATION EQUIPMENT

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

- Drill and Jiffy® type mixing blade (medium speed)
- Roller pans
- Roller frames with 1/4" or 1/8" nap covers
- Edge rollers, chip brushes
- Sanding pads
- 50:50 water / isopropanol wipe
- Painter's tape, measuring and mixing containers



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MAVSEAL UHD

CLEAN UP AND DISPOSAL

Clean up mixing and application equipment immediately after use, before material cures. 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

- ⚠ Do not park vehicles on the coating within 36 hours of installation.
- ⚠ **MavSeal UHD** is not designed for exterior use or immersion applications.
- ⚠ Do not apply **MavSeal UHD** by squeegee or directly to concrete.
- ⚠ 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 without a heavy, unruptured vapor barrier, or where moisture / MVT is present.
- ⚠ 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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PRODUCT DATA SHEET: 10/01/2026

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