

PRODUCT DESCRIPTION

MavSeal UHD is a three-component, high performance, abrasion resistant aliphatic coating containing high traffic filler. It is 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. It is suited for use as a topcoat over an epoxy system or alone over primed floor surfaces.

FEATURES & BENEFITS

- Superior wear resistance & durability
- Minimizes effects of heavy industrial traffic
- Non-yellowing satin finish with excellent color retention
- Very low odor, low VOC
- Lasts up to 4 times longer than standard epoxies
- Matte finish

RECOMMENDED USES

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

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	COVERAGE
MavSeal UHD Aliphatic Polyurethane Topcoat	2.5-Gallon Unit	Clear or Pigmented	450 sqft/gal @ 3.5 mil WFT

Kit components: 1/2 gallon Part A + 2 gallon Part B + High Wear Filler Additive + Liquid Pigment. Clear or pigmented with color packs.

TECHNICAL DATA

PHYSICAL DATA	VALUE	INSTALLATION DATA	VALUE
Generic Description	Aliphatic Polyurethane with High Wear Filler	Storage Environment	Dry area, 65–80°F
Typical Application	Final Topcoat over MavClad epoxy	Application Temp, Ambient	50–85°F
Volume Solids	92%	Application Temp, Substrate	Min. 5°F above dew point
VOC	0.12 lb/gal; 16 g/L	Shelf Life	1 year
Coverage @ 3.5 mil WFT	450 sqft/gallon	Pot Life @ 77°F	60 minutes
Standard Colors	Clear or pigmented	Foot Traffic @ 77°F	12 hours
		Full Service @ 77°F	48 hours

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Abrasion Resistance (1000 cycles, CS-17, 1000g)	ASTM D-4060	20 mg loss
Coefficient of Friction	—	0.70
VOC Content	—	0.12 lb./gal; 16 g/L
Volume Solids	—	92%

The data shown above reflects typical results based on laboratory testing under controlled conditions. Variations from the data shown may result. Test methods are modified where applicable.

IMPORTANT INFORMATION

Vehicles should not be parked on coating within 36 hours of installation. Not designed for exterior use or immersion applications. Floors should be sloped to drain to prevent standing water or chemicals. Confirm product performance in specific chemical environment prior to use. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab or where moisture or MVT is present. Always use protective clothing consistent with OSHA regulations during use. Refer to Safety Data Sheet for detailed safety precautions. For industrial/commercial use. Installation by trained personnel only.

SURFACE PREPARATION

Concrete: Apply only to clean, dry, and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases, or any other contaminants.

- MavSeal UHD should not be applied directly to concrete. It should be installed over a primer or as a topcoat over another Maverick system. New concrete should be cured a minimum of 28 days.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.
- Surface profile shall be CSP-3 to CSP-5 meeting ICRI standard guideline #03732, producing a profile equal to 60-grit sandpaper or coarser.
- Moisture vapor transmission should be 3 pounds or less per 1,000 sq ft per 24 hours (ASTM F1869). RH must not exceed 75% (ASTM F2170).
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

APPLICATION PROCEDURE

1. MavSeal UHD is normally applied over a primer such as MavCoat MVP or MavCoat PC or as a finish coat over a MavClad epoxy floor systems. See applicable data sheets for detailed installation instructions of these products. NOTE: For use as a topcoat for MavCoat epoxy coatings, apply within 24 hours of epoxy installation. If 24 hours has passed, sand the coating and wipe with a 50:50 mixture of water and isopropanol. Once solvent has flashed, proceed with application of MavSeal UHD.
2. Mix Part A into Part B with a mechanical jiffy-type mixer operated at medium speed.
3. If a Color pack is to be used, blend color pack with Part B prior to adding Part A.
4. Add UHD Filler Mix for 2 additional minutes.
5. Install MavSeal UHD in a dip and roll method from a roller pan. Do not use a squeegee application. Ensure that the UHD filler does not settle in the roller pan; keep filler in suspension by stirring with roller on each dip of the roller into the pan.
6. Apply at 3–4 mils WFT (maximum) using 1/4" or 1/8" nap rollers; coating may foam at a greater film thickness. To minimize lap lines in finish coat, immediately cross roll material (uniform 90° angle to initial coat).

SHELF LIFE AND STORAGE

12 months from date of manufacture when stored indoors in the original unopened container at 60°F – 85°F (16°C – 29°C) in a dry location with humidity below 65%. Do not allow materials to freeze.

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.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use 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 newly sealed surface, it is imperative to have a routine maintenance program. Dirt and debris that is tracked over a finished floor will quickly scratch and dull the surface. Place walk-off mats at entrances. 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 to minimize damage and/or stains. For systems that support parked vehicles or other heavy items on rubber wheels, place a small piece of nonporous material, such as sheet metal or plexiglass between the tires and floor to prevent tire marks. Reapplication may be necessary in heavy traffic areas.

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