

PRODUCT DESCRIPTION

MAVERICK MAVCOAT PC is a durable system with a slip-resistant texture, achieved with a single broadcast of silica sand. This 1/16" floor is an industry standard for protecting concrete in manufacturing and work zones, and is also used in areas subject to tough traffic. The broadcast is locked in with MavSeal UPA polyaspartic, which provides UV stability and chemical resistance for the base and broadcast.

FEATURES AND BENEFITS

- Slip-resistant texture from a single silica sand broadcast
- 1/16" system thickness
- UV-stable, chemical-resistant MavSeal UPA topcoat
- Pigmented with MavTints in a variety of colors

RECOMMENDED USES

- Manufacturing floors and work zones
- Areas subject to tough traffic
- Concrete protection in industrial facilities

PRODUCT INFORMATION

SYSTEM LAYER	PRODUCT NAME	SIZE	COLOR/FINISH
Primer	MavPrime EP	1.5-Gallon Kit	Clear / Gloss
Basecoat / Broadcast	MavCoat SLE	3-Gallon Kit (2 gal A + 1 gal B)	Clear / Gloss (pigment with MavTints)
Broadcast Aggregate	20/40 Silica Sand	50 lb. Box	Neutral (colored quartz can be used)
Topcoat	MavSeal UPA Slow Cure	2-Gallon Kit	Clear / Gloss (pigment with MavTints)
Pigment	MavTints	16-Ounce Pack	Standard color chart

*Pigment 3 gallons of **MavCoat SLE** and 2 gallons of **MavSeal UPA Slow Cure** with 1 pint of **MavTints**, including Haze Gray, Light Gray, Deck Gray, Sandstone, White, Black, and Tile Red. Use a clear topcoat for decorative quartz blends. MavCoat SLE and MavSeal UPA are available in different cure speeds.*

TECHNICAL DATA

COVERAGE RATES	WET FILM THICKNESS	DRY FILM THICKNESS	COVERAGE RATE
MavPrime EP (100% solids)	3 – 8 mils	3 – 8 mils	200 – 533 sq. ft./gal.
MavCoat SLE (100% solids)	8 – 12 mils	8 – 12 mils	134 – 200 sq. ft./gal.
20/40 Broadcast Silica Sand	N/A	N/A	0.4 – 0.5 lb./sq. ft.
MavSeal UPA Slow Cure	12 – 16 mils	11 – 14 mils	100 – 134 sq. ft./gal.

Prepared substrate: CSP 3 or greater. See individual product data sheets for drying schedules.

APPLICATION EQUIPMENT

- Drill and Jiffy® type mixing blade
- High-quality non-shed 3/8" nap roller covers, roller pans
- High-quality flat and notched EPDM squeegees; flat metal spring blade squeegee
- Edge rollers and chip brushes; spiked shoes
- Painter's tape, duct tape, measuring and mixing containers

CLEAN UP AND DISPOSAL

Clean up mixing and application equipment immediately after use. Use acetone or xylene; do not use alcohol. Follow solvent manufacturer's safety instructions. Follow all local, state, and federal regulations when disposing of materials. Refer to the SDS before use and wear appropriate PPE (safety glasses with side shields, nitrile gloves, NIOSH-approved respirator).



PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Adhesion to Concrete	ASTM D7234	> 400 psi (100% concrete failure)
Coefficient of Friction (Wet DCOF)	ANSI A326.3	> 0.55
Compressive Strength	ASTM D695	11,600 psi
Elongation	ASTM D2370	5 – 10%
Flammability	—	Self-extinguishing on concrete
Flexibility, 1/8" Mandrel	ASTM D522	Passes / no cracking
Flexural Strength	ASTM D790	12,800 psi
Hardness, Shore D (24 hours, 5 days)	ASTM D2240	70, 86
Taber Abrasion (CS-17, 1000 g, 1000 cycles)	ASTM D4060	30 mg loss
Tensile Strength	ASTM D638	9,600 psi
Gloss @ 60° Angle	ASTM D523	92 – 95
UV Resistance (gloss after 1000 hours QUV)	ASTM G154	87 – 89
VOC	EPA Method 24	< 50 g/L

CHEMICAL RESISTANCE

CHEMICAL	RESULT	CHEMICAL	RESULT	CHEMICAL	RESULT
10% Acetic Acid	G	Methyl Ethyl Ketone	E	Betadine	E
Vinegar	G	Xylene	E	Bleach	E
10% Citric Acid	G	Ethylene Glycol	E	Urine	E
10% Hydrochloric Acid	G	Isopropyl Alcohol	E	Coffee	E
30% Hydrochloric Acid (muriatic)	G	Mineral Spirits	F	Cola	E
10% Nitric Acid	NR	Brake Fluid	E	Ketchup	E
50% Phosphoric Acid	F	Transmission Fluid	E	Mustard	G*
10% Sulfuric Acid	F	Motor Oil	E	Red Wine	E
37% Sulfuric Acid	F	50:1 Gas/Oil Mixture	E	Skydrol	E
70% Sulfuric Acid	F	E85 Gasoline	E	20% Sodium Chloride	E
20% Ammonium Nitrate	E	E95 Gasoline	E	50% Sodium Hydroxide	G
		Unleaded Gasoline	E		

E = Excellent · G = Good · F = Fair · NR = Not Recommended · *Stain is only defect.

SURFACE PREPARATION

Concrete and coated concrete surfaces must be sound, clean, dry, and free of contaminants such as loose coatings, dirt, dust, grease, oil, silicone, and other contaminants that may negatively affect adhesion.

NEW / BARE CONCRETE:

Diamond grind or shotblast to a CSP 3 or greater profile per ICRI Technical Guideline 310.2R / SSPC-SP13 / NACE 6. New concrete must be cured a minimum of 28 days and meet the MVT and RH thresholds below.

PREVIOUSLY COATED SURFACES:

Clean the surface to prevent contaminants from being spread. Thoroughly grind with 30-grit metal diamonds to completely remove any grout or topcoats that are not epoxy based and provide the profile required for adhesion.

MOISTURE VAPOR BARRIER:

A suitable moisture barrier must be in place for concrete slabs on-grade. MVT must not exceed 3 lbs. per 1,000 sq. ft. per 24 hours per ASTM F1869, and slab RH must not exceed 75% per ASTM F2170. Where moisture exceeds these limits, MavPrime MVB moisture vapor barrier primer may be required – consult a Maverick representative.

PATCHING:

Patch cracks, holes, eroded and spalled areas with MavPatch or a Maverick 100% solids epoxy thickened with fumed silica. Scrape patch material flush. After priming, check whether additional patching is required.

JOINTS:

Honor all isolation, expansion, and movable joints with the appropriate joint material after the system is installed. Contraction (sawcut) joints may be filled and coated over; however, the system may crack over time if the slab experiences excessive shrinkage or movement.



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MAVCOAT PC

APPLICATION PROCEDURE

PRIMER – MAVPRIME EP (2 A : 1 B BY VOLUME)

1. Pre-mix Part A at low speed for 1 minute. Add Part B and mix for 3 minutes until uniform. Do not mix more than can be applied in 10 – 15 minutes.
2. Pour in a long bead 8 – 12 inches wide. Wearing spiked shoes, spread at 3 – 8 mils with a flat squeegee or metal spring blade, overlapping passes to fill pinholes. A tight, thin coat with no back-roll best minimizes outgassing bubbles.
3. Once dry, apply the MavCoat SLE basecoat and silica sand broadcast.

BASECOAT / BROADCAST – MAVCOAT SLE (2 A : 1 B)

1. Pre-mix Part A 1 minute and mix MavTints into Part A (1 pint per 3 mixed gallons). Add Part B and mix 3 minutes. Do not mix more than can be applied in 10 – 15 minutes.
2. Pour in a long bead; wearing spiked shoes, spread at 8 – 12 mils with a 1/8" notched squeegee, then back-roll with a non-shed 3/8" roller.
3. Allow 10 – 15 minutes to level, then broadcast silica sand until the wet epoxy is fully covered. Leave a wet, unbroadcast edge to tie in the next mix. Do not dump or pile sand.
4. Once dry, sweep and vacuum excess sand without damaging the coating.

TOPCOAT – MAVSEAL UPA SLOW CURE (1 A : 1 B)

1. Pre-mix Part A 1 minute (add MavTints: 1 pint per 2 mixed gallons). Add Part B and mix 90 seconds. Mix full kits only.
2. Apply with a flat or notched EPDM squeegee at 100 – 134 sq. ft./gal. (12 – 16 mils wet); back-roll with a non-shed 3/8" roller. In hot or humid conditions, dip-and-roll with an 18" roller – material cures faster with moisture in the air.
3. Do not exceed 5 – 10 minutes between mixes; use joints as natural breaks. For less texture, apply a second 6 – 8 mil coat (max. 200 sq. ft./gal.) within 24 hours.

MAINTENANCE

Place walk-off mats at entrances. Sweep and mop/scrub regularly using soft bristles/pads and a mild cleaner. Remove spills quickly. Under parked rubber-tired vehicles or equipment, place nonporous material (sheet metal or plexiglass) under tires to prevent tire marks. Reapplication may be necessary in heavy traffic areas.



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CORPORATE OFFICE:

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Disclaimer: All information provided by Maverick Performance Solutions LLC concerning Maverick products, including but not limited to, any recommendations and advice relating to the application and use of Maverick products, is given in good faith based on Maverick's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions in accordance with Maverick's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual conditions and other factors outside of Maverick's control are such that Maverick assumes no liability for the provision of such information, advice, recommendations or instructions related to its products. The user must test Maverick product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

Maverick reserves the right to change the properties of its products without notice. All Maverick product(s) are subject to its current terms and conditions of sale which are available by calling 313-889-2526.

TEMPERATURE

Air	60° – 85°F	16° – 29°C
Surface	60° – 85°F	16° – 29°C
Material	60° – 85°F	16° – 29°C

*Higher temperatures and humidity will shorten pot-life and working time.
Floor temperature must be at least 5 degrees over the current dew point.*

LIMITATIONS

- ⚠ Do not apply at temperatures or thicknesses not recommended. Do not make partial mixes or invert pails to drain.
- ⚠ Do not apply over loose or unsound concrete, asphalt or bitumen, glazed tile, nonporous brick and tile, magnesite, copper, metal, polyesters, or elastomeric membranes.
- ⚠ Moving joints and shrinkage cracks may reflect through the system. Tire marking may occur.
- ⚠ Applying thicker than recommended, allowing material to pool, or rolling too late may leave a white, hazy appearance.

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.

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.

PRODUCT DATA SHEET: 10/01/2026