



MAVCOAT WBE PRODUCT DATA SHEET

NOTE: PLEASE READ AND REVIEW THESE INSTRUCTIONS PRIOR TO INSTALLATION OF THIS PRODUCT. OTHER MAVERICK PRODUCTS MAY BE USED WITH THIS PRODUCT. CONTACT MAVERICK TECHNICAL SUPPORT AT sales@mavtechsol.com OR 313-889-2526.

DESCRIPTION

MavCoat WBE is a two-component, water-based epoxy floor coating engineered to deliver a high-gloss, seamless, hygienic surface with proven hardness and durability. Formulated with low-VOC, environmentally responsible raw materials, MavCoat WBE cures to a smooth, glossy finish suitable for a wide range of light-to-moderate commercial and industrial environments. With the addition of aggregate, a non-skid texture profile is achievable. Decorative color flakes can be broadcast into the wet coating to produce a seamless, decorative finish. Available in clear and premixed colors.

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR / FINISH
MavCoat WBE	2-Gallon Kit (clear or pigmented)	Clear, Gray, Tan / Gloss
MavTints Floor Coating Pigment	16-Ounce	Multiple Colors Available

COVERAGE RATES

PRODUCT NAME	WET FILM THICKNESS	DRY FILM THICKNESS	COVERAGE RATE
MavCoat WBE (per coat)	4 – 5 mils	~3.5 mils (@ 70% solids)	200 – 280 sq. ft./gal.
MavCoat WBE — 2-Coat System	—	~7 mils total DFT	Two coats required for full system performance

PHYSICAL PROPERTIES

TEST NAME	TEST METHOD	RESULT
Adhesion to Concrete	ASTM D4541	> 300 PSI
Abrasion Resistance (CS-17 Wheel, 1000 g Load, 1000 Cycles)	ASTM D4060	0.05 g loss
Volume Solids	—	Approx. 70%
VOC Content	EPA Method 24	25 g/L
Induction Time	—	15 minutes @ 77°F
Pot Life	—	1 hour @ 77°F
Foot Traffic	—	24 hours @ 77°F
Light Service Return	—	48 hours @ 77°F
Full Service Return	—	48–72 hours @ 77°F
Shelf Life (unopened)	—	1 year from date of manufacture

Data reflects typical results under controlled laboratory conditions. Variations may occur. Test methods modified where applicable.

CHEMICAL RESISTANCE

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

KEY: E = Excellent G = Good F = Fair NR = Not Recommended * = Stain is only defect

SURFACE PREPARATION

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

MOISTURE VAPOR BARRIER

A suitable moisture barrier must be in place for concrete slabs on-grade. MVT rate must not exceed 10 lbs per 1,000 sq. ft. per 24 hours (ASTM E1907 / ASTM F1869). Slab RH must not exceed 80% (ASTM F2170). If MVT or RH exceeds these thresholds, contact Maverick Technical Support. The use of MavCoat MVB Moisture Vapor Barrier may be required.

NEW / BARE CONCRETE

Prepare by shot blast or diamond grind to achieve CSP-1 to CSP-3 per ICRI Technical Guideline #03732. New concrete must cure a minimum of 28 days. Minimum surface tensile strength: 300 PSI (ASTM D4541). Remove all laitance and weak surface layers. Address all irregularities, cracks, and joints before application. Apply when substrate temperature is dropping to reduce outgassing. Double priming significantly reduces outgassing effects.

SURFACE PREPARATION (CONTINUED)

PREVIOUSLY COATED SURFACES

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

SAFETY & TECHNICAL

Refer to the SDS before use. Safety precautions must be strictly followed during storage, handling, and use. PPE must be worn at all times including (but not limited to): safety glasses with side shields and high-quality nitrile gloves. For additional technical and safety data, visit maverickperformancesolutions.com.

TEMPERATURE

PARAMETER	°F	°C
Air	60° – 85°F	16° – 29°C
Surface	60° – 85°F	16° – 29°C
Material	65° – 80°F	18° – 27°C

**Higher temperatures and humidity will shorten pot life and working time. Substrate must be min. 5°F above dew point.*

SET-UP & MIXING AREA

Place the mixing area as close to the project area as possible. Cover mix area with plastic, tarp, or cardboard and securely tape to the floor. Assemble all application tools, safety supplies, PPE, and clean-up supplies in the mixing area before starting.

TAPE AND TERMINATION POINTS

Apply masking tape to all perimeter areas where the coating system will terminate. Sawcut and key-in all termination points around drains, dock plates, and high-traffic impact points (see Maverick Drawings/Architectural Details).

PATCHING

Cracks, holes, eroded and spalled areas should be patched with MavPatch Epoxy or MavRapidPatch. Scrape flush with surface. After priming, confirm whether additional patching is required before proceeding.

JOINTS

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

APPLICATION EQUIPMENT

Assemble all required application equipment. Equipment includes (but is not limited to):

- Drill and Jiffy®-type mixing blade
 - High quality non-shed 3/8" nap roller covers
 - Edge rollers & chip brushes
 - Painters' tape
- Duct tape
 - High quality flat EPDM squeegees
 - Roller pans
 - Measuring and mixing containers

APPLICATION PROCEDURE

MAVCOAT WBE — COAT 1 (BASE / PRIME COAT)

Mix complete kits only — no partial batches.

1. Pre-mix Part-A at low speed for 1 minute. If pigmenting, add MavTints to Part-A and pre-mix for 1 minute.
 2. Pour Part-A into the Part-B pail. Mix for a minimum of 2 minutes using a mechanical jiffy-type mixer at low speed. Scrape the sides and bottom — unmixed material will not cure.
 3. **Induction:** Allow mixed material to stand (induct) for 15 minutes before beginning application.
 4. Apply by roller or brush and immediately back-roll. Work ahead of the pot-life window. Apply all material before pot life expires.
 5. Allow Coat 1 to cure fully before applying Coat 2. Do not exceed 24 hours between coats without re-abrading the surface.

APPLICATION PROCEDURE CONTINUED

MAVCOAT WBE — COAT 2 (FINISH COAT)

1. Pre-mix Part-A for 1 minute. Add MavTints if desired; pre-mix 1 minute.
2. Pour Part-A into Part-B pail. Mix 2 minutes at low speed. Scrape sides and bottom. Induct 15 minutes before application.
3. Apply by roller or brush at 4–5 mils WFT and immediately back-roll for a uniform, consistent film.
4. **Decorative flake broadcast (optional):** Broadcast clean decorative flakes into the wet finish coat immediately after application. Continue seeding until full coverage is achieved. Allow to cure fully, then apply a clear MavCoat WBE or MavSeal UPA topcoat.
5. Allow full cure before returning to light service (24–48 hours at 77°F). Full service return at 48–72 hours at 77°F.

CLEAN UP & DISPOSAL

Clean mixing and application equipment immediately after use with warm water and soap while material is still wet. Cured material may require acetone or xylene for removal. Follow solvent manufacturer's safety instructions. Comply with all local, state, and federal regulations when disposing of materials.

LIMITATIONS

⚠ System is not aliphatic and may yellow over time with UV exposure. Not designed for exterior use or constant chemical immersion. Slope floors to drain — do not allow standing water or ponded chemicals. Do not apply outside specified temperature or thickness ranges. Do not make partial mixes. Do not invert pails to drain. Do not apply over loose or unsound concrete, asphalt or bitumen substrates, glazed tile, nonporous brick and tile, magnesite, or elastomeric membranes. Do not apply to slabs on grade without a continuous, unruptured vapor barrier where active moisture or high MVT is present. Moving joints and shrinkage cracks may reflect through the coating. Tire marking may occur. For industrial and commercial use only. Installation by trained personnel.

SHELF LIFE & STORAGE

12 months from date of manufacture in original, unopened container stored 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 defects in material that affect its performance for one year from date of purchase. Maverick will replace at no charge the quantity of coating that Maverick determines has failed to perform, as the sole and exclusive remedy. Proof of purchase required. Cost of labor is specifically excluded. Warranty is void if Maverick products are mixed with or used in conjunction with materials substituted for Maverick products. Warranty is nontransferable.

TECHNICAL ASSISTANCE

? Information is available by calling Maverick **313-889-2526** or emailing **sales@mavtechsol.com**.



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