MAVCOAT PC

PRODUCT DESCRIPTION

MavCoat PC is a 2-coat system comprised of a two-component, 100% solids, high performance epoxy floor coating that can be used as a primer and topcoat. MavCoat PC provides a high gloss, seamless, hygienic surface that is hard and durable. Mixed with color packs, this durable material cures to a smooth, glossy surface or with the addition of aggregate, a non-skid texture. Color quartz, color flakes or metallic pigments can be incorporated to produce a seamless, decorative finish.

FEATURES & BENEFITS

- Multiple system possibilities with one product
- Full gloss finish
- Multi-color quartz and flake finishes
- Various surface finishes available
- Can be used as a primer, base, topcoat
- Seamless, monolithic application
- Durable finish, chemical resistant
- Available in clear and a wide array of colors
- Zero VOC, very low odor

RECOMMENDED USES

- Warehousing & manufacturing facilities
- Chemical processing plants
- Laboratories, hospitals, healthcare facilities
- Stadiums & other entertainment venues
- Educational & institutional facilities
- Cafeterias, kitchens, storefronts, aisles
- Bathrooms, showers
- Topcoat over MavClad floor systems

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
MavCoat PC Multi-Purpose Epoxy Coating	3-Gallon Kit	Clear / Pigmented	Consult Maverick
MavCoat PC Multi-Purpose Epoxy Coating	15-Gallon Kit	Clear / Pigmented	Consult Maverick
MavCoat PC Multi-Purpose Epoxy Coating	150-Gallon Kit	Clear / Pigmented	Consult Maverick

Clear or pigmented with color packs. Mix Ratio 2:1 (Part A Resin : Part B Hardener). Coverage: 100 sqft/gallon @ 16 mils.

MAVERICK
PERFORMANCE SOLUTIONS

MAVCOAT PC

TECHNICAL DATA

PHYSICAL DATA	VALUE	INSTALLATION DATA	VALUE
Components	2 (Base & Hardener)	Storage Environment	Dry area, 65–80°F
Mix Ratio (by volume)	2 Resin : 1 Hardener	Application Temp, Ambient	50–90°F
Solids by Volume	100%	Application Temp, Substrate	Min. 5°F above dew point
VOC	0 g/L	Shelf Life	1 year
Coverage @ 16 mils	100 sqft/gallon	Pot Life @ 77°F	25 minutes
Generic Description	Multi-Purpose Epoxy Coating	Foot Traffic @ 77°F	12–24 hours
Standard Colors	Clear or pigmented	Service @ 77°F	Light: 24h / Full: 48–72h
		Recoat Window	Within 24 hours at 70°F

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Compressive Strength	ASTM C-579	8,200 psi
Tensile Strength	ASTM D-638	1,650 psi
Flexural Strength	ASTM C-580	3,600 psi
Hardness, Shore D	ASTM D-2240	85–90
Bond Strength	ASTM D-4541	425 psi
Abrasion Resistance (1000 cycles)	ASTM D-4060	80 mg loss
Volume Solids	—	100%

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

Like all epoxies, PC is not 100% color stable without use of UV stable topcoat. Not designed for exterior use or constant 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. DO NOT install where moisture or MVT is present. Always use protective clothing consistent with OSHA regulations during use. Refer to Material Safety Data Sheet for detailed safety precautions. For industrial/commercial use. Installation by trained personnel only.

MAVCOAT PC

SURFACE PREPARATION

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

- 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.

Outgassing may occur due to the porosity of some concrete surfaces. To reduce the effect of outgassing, the primer and coating should be applied when the temperature of the concrete substrate is dropping. Double priming will greatly reduce the effects of outgassing by additionally filling the pores in the concrete.

APPLICATION PROCEDURE

1. Mix Ratio 2:1 Resin to Hardener.
2. Prime concrete surface with MavCoat PC @ 175–250 sqft/gallon. Primer coat of PC may be thinned with up to 5% Xylene. Or prime with MavCoat MVP for green concrete applications.
3. Part A should be premixed prior to use.
4. If pigmented color is to be used, add pre-mixed color pack to Part A. Add one color pack per 3 mixed gallons. NOTE: For white, light gray and safety yellow, use 2 color packs per 3 mixed gallons for increased hiding.
5. Pour Part B into the Part A pail and mix for a minimum of two minutes, using a mechanical jiffy-type mixer operated at low speed. Scrape the side of the pail to ensure the entire product has been properly mixed; any unmixed material left on the side of the pail will not cure.
6. Apply mixed material by roller or squeegee and back-roll. Move quickly and empty epoxy coating out of the pail and onto concrete surface as quickly as possible to provide maximum working time. Material left in the pail will generate heat and have a reduced pot life.
7. When applied as a non-skid coating, broadcast clean, dry silica sand or aluminum oxide aggregate into wet resin. Allow to dry. A full broadcast to refusal will produce the best looking and most durable system. Remove all excess grit and scrape floor before applying second coat.
8. After the first coat has become tack free (within approximately 10 hours of cure @70°F and before exceeding 24 hour recoat window), apply a second coat.
9. Maverick offers a complete line of topcoats for increased resistance to UV exposure, chemicals, and high traffic.

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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