METALLIC ADDITIVE

PRODUCT DESCRIPTION

SIMIRON METALLIC ADDITIVE is a pigment system that can be added to Simiron clear epoxies that cure at a more moderate/slow rate. When dispersed within the coating, the exotic pigment creates a beautiful three-dimensional appearance that gives the illusion of waves, swirls and ripples.

The finished appearance of the Metallic flooring system can vary from gradual, subtle changes in color to more distinctive effects. Each project is truly unique.

FEATURES AND BENEFITS

- Vibrant, Three-Dimensional Look
- Durable
- Easy to Use
- Trouble-Free Cleaning
- Works with All Epoxy Floor Coatings

RECOMMENDED USES

- Restaurants & Bars
- Sports Arenas
- Showroom Floors
- Residential Homes
- Lobbies
- Hair Studios
- Garages
- Restrooms
- Schools & Universities

PRODUCT INFORMATION

COLOR/FINISH	ITEM NUMBER
Aluminum	32oz. – 40002541
Apple Green	32oz. – 40003357
Black Pearl	32oz. – 40009670
Bright Orange	32oz. – 40003340
Bright White	32oz. – 40009663
Bronze	32oz. – 40002558
Cabernet	32oz. – 40003289
Charcoal	32oz. – 40002527
Chestnut Brown	32oz. – 40003319
Cobalt	32oz. – 40002497
Copper	32oz. – 40002480
Crimson	32oz. – 40002510
Dark Emerald	32oz. – 40009724
Gold Rush	32oz. – 40003302

COLOR/FINISH	ITEM NUMBER
Graphite	32oz. – 40002503
Luster Blue	32oz. – 40004897
Magenta	32oz. – 40003272
Marigold	32oz. – 40002534
Merlot	32oz. – 40003265
Oyster	32oz. – 40003326
Pearl	32oz. – 40003333
Pistachio	32oz. – 40009687
Royal Blue	32oz. – 40009731
Sapphire	32oz. – 40009717
Scarlet	32oz. – 40009700
Smoke Gray	32oz. – 40003241
Tea Green	32oz. – 40009694
Violet	32oz. – 40003258

THEORECTICAL COVERAGE

Wet Mils (microns)	30 (762) – Min.	48 (1219) – Max.
Coverage sq. ft./gal (m2/L)	33.4 (0.82) – Min.	53.5 (1.31) – Max.

METALLIC ADDITIVE

SURFACE PREPARATION

Metallic Additive is applied in an epoxy resin system that is at least 30 mils thick over a colored primer, typically black, gray, or white for lighter colors.

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

MOISTURE VAPOR BARRIER: A suitable moisture barrier must be in place for concrete slabs on-grade. If a moisture barrier is not in place, seasonal variations in ground moisture can cause excessive moisture vapor transmission (MVT) regardless of results measured prior to coating application. MVT rate must not exceed three pounds per 1,000 square feet per 24 hours, as directed by ASTM F1869. The relative humidity (RH) of the slab must not exceed 75%, as directed by ASTM F2170. If there is a moisture situation in excess of the above rate, the use of Simiron MVB Moisture Vapor Barrier Primer may be required. Consult a Simiron Representative for details and application procedures.

NEW/BARE CONCRETE: Diamond grind or shotblast to a CSP-3 or greater surface profile. Refer to SSPC-SP13/ NACE 6 or ICRI TechnicalGuideline No. 310.2. New concrete must be cured a minimum of 28 days and should meet moisture vapor transmission (MVT) and relative humidity (RH) thresholds as described above.

PREVIOUSLY COATED SURFACES: Clean surface to prevent any contaminants from being spread/redistributed to a greater area being prepared. Thoroughly grind the surface with 30 grit metal diamonds to completely remove any grout or topcoats that are not epoxy based and provide proper surface profile required for adhesion of the system.

SAFETY AND TECHNICAL

Refer to the SDS sheet before use. Safety precautions must be strictly followed during storage, handling, and use. To acquire additional information or technical and safety data, please visit: *www.simiron.com*

TEMPERATURE

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

*Higher temperatures will shorten pot-life and working time of the epoxy in which Metallic Additive is added.

MIXING

A 32 oz. jar is added to three gallons of mixed epoxy. To the mixed epoxy, add the **Metallic Additive** powder slowly while mixing with low-speed drill and jiffy mixing blade. Mix for an additional three minutes or until all metallic is dispersed.

- ⚠ Do not mix more than three gallons at time. Do not mix more than can be applied and worked in 20 minutes.
- ⚠ Do not use in fast curing epoxies or epoxy siloxanes.

APPLICATION EQUIPMENT

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

- Drill and Jiffy® type mixing blade
- Notched EPDM squeegee
- Spiked shoes
- 3/8" nap, shed-resistant woven roller covers with phenolic core.
- Chip brushes for edge work.
- Painter's/duct tape

APPLICATION PROCEDURE

1. Immediately after the material has been mixed, pour it all onto the floor in a ribbon.
2. Apply at a spread rate of 33-54 square feet per gallon to yield 30 – 48 mils wet film thickness using a notched squeegee.
3. Push the squeegee in the same direction as the ribbon with a slight angle to plow extra material to the side.
4. Parallel to the first pass, overlap and continue to move material down the floor.
5. Back-roll across the squeegee passes with a non-shedding 3/8" nap roller.
6. After evening out the epoxy with a back-roll, go back over the floor with a roller using circular, swirling patterns to create a unique three-dimensional appearance.
7. Use joints as natural breaks to divide sections of the floor.

Apply the material in a uniform thickness to yield consistent, metallic effects. The effect you create will change as the Metallic Additive flows and settles while the epoxy cures.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use acetone or xylene. Follow solvent manufacturer's safety instructions. Use "waterless" hand cleaner to remove dried material from skin. Be sure to follow all local, state and federal regulations when disposing of materials.

MAINTENANCE

To maintain the appearance for long-term performance and life expectancy of the newly sealed surface it is imperative to continue routine maintenance program. 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. Each sealer type, traffic and other conditions require a certain routine maintenance program. To increase the life of the floor use inside and outside walk-off mats. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time. Reapplication may be necessary in heavy traffic areas with greater frequency. Periodic light applications are recommended to maintain gloss and protection.

LIMITATIONS

- Do not disperse in a coating system other than epoxy.
- Do not use in epoxy siloxane systems.
- Do not apply outside of the defined coverage rates.
- Do not use in an epoxy that cures fast.
- Do not delay in pouring mixed material onto the floor.
- Do not apply over loose or unsound concrete, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, metal, polyesters, or elastomeric membranes.
- Moving joints and shrinkage cracks may reflect through system. Joints that are designed to move may reflect through the finished flooring system if they are not honored.
- Tire marking may occur.

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 SIMIRON
Toll Free: **1.866.515.8775 / +1.248.686.3600**

LIMITED WARRANTY

SIMIRON 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). SIMIRON will replace at no charge the quantity of the Coating that SIMIRON 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 Simiron products are mixed with or used in conjunction with materials that are substituted for Simiron products. Warranty is nontransferable.

SIMIRON™

CORPORATE OFFICE:
Simiron Inc
3000 Research Drive
Rochester Hills, MI 48309-3580, USA
(248) 686-3600 / (866) 515-8775

PRODUCT DATA SHEET: 10/07/2025

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