DECORATIVE CHIP

PRODUCT DESCRIPTION

SIMIRON DECORATIVE CHIP is a blend of multi-colored flakes of vinyl paint, composed of water-based resin materials that contain high-quality additives and color pigments. The decorative chip flakes are integrally colored and are produced in 1/8" and 1/4" sizes.

Decorative Chip is designed for use in commercial, industrial and residential flooring applications and come in a wide range of colors and popular blends.

Easy to maintain and customize, **Decorative Chip** flooring is an economical flooring solution that naturally hides concrete imperfections while enhancing and protecting any decor.

FEATURES & BENEFITS

- Colorfast, UV Stable Pigments
- Random Shapes Naturally Hide Imperfections in Concrete
- Economical Flooring Solution
- Highly Customizable
- Easy to Use
- Easy to Maintain
- Hides Dirt and Debris
- Improves Traction
- Create an Abstract, Terrazzo Appearance

RECOMMENDED USES

- Food Processing Kitchens
- Commercial Kitchens
- Restrooms and Concession Stands
- USDA Inspected Facilities
- Auto Dealerships
- Manufacturing Facilities
- Hospitals
- Offices Buildings
- Retail Spaces
- Stadiums and Locker Rooms
- Garages
- Basements
- Schools

PACKAGING

SIZE/FINISH	ITEM NUMBER
Autumn Brown (3133) – 50lb.	1/8" – 40001735 / 1/4" – 40001056
Cabin Fever (127) – 50lb.	1/8" – 40005931 / 1/4" – 40005924
Coyote (513) – 50lb.	1/8" – 40007058 / 1/4" – 40007041
Domino (411) – 50lb.	1/8" – 40007445 / 1/4" – 40007447
Feather Gray (905) – 50lb.	1/8" – 40007119 / 1/4" – 40007072
Glacier (1248) – 50lb.	1/8" – 40001636 / 1/4" – 40000967
Orbit (310) – 50lb.	1/8" – 40006686 / 1/4" – 40006679
Outback (517) – 50lb.	1/8" – 40005887 / 1/4" – 40005894
Safari (504) – 50lb.	1/8" – 40006129 / 1/4" – 40006136
Shoreline (421) – 50lb.	1/8" – 40005870 / 1/4" – 40005863
Stargazer (908) – 50lb.	1/8" – 40007324 / 1/4" – 40007331
Tidal Wave (807) – 50lb.	1/8" – 40007423 / 1/4" – 40007430

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THEORETICAL COVERAGE

Decorative Chip is broadcast into epoxy or polyaspartic resin at a variety of rates. The following amounts are average and could vary.

RANDOM BROADCAST	0.5 Lb. per 100 sq. ft	50 Lb box per 10,000 sq. ft.
FULL BROADCAST	16.7 Lbs per 100 sq. ft	50 Lb box per 300 sq. ft

SURFACE PREPARATION

Decorative Chip is broadcast into a resin system that is at least 10 mils thick.

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.

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 Technical Guideline 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 Decorative Chip is broadcast. If polyaspartic resin is being used, higher humidity will also reduce working time.*

APPLICATION PROCEDURE

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

MIXING

Decorative Chip is broadcast into a resin system that cures slow enough to level after a squeegee/backroll application that is at least 10 mils and remains open to receive a broadcast. Please see the specific resin PDS for more information.

⚠ Do not mix more than three gallons at time.
⚠ Do not mix more than can be applied and worked in 20 minutes.

APPLICATION PROCEDURE

1. There are different ways to broadcast Decorative Chip. For a random or single, full broadcast, you can see the background of the resin applied prior to the broadcast. Use a resin that is tinted the same color as one of the colored chip flakes in the blend.
2. Immediately after material has been mixed to receive the flake, pour it all onto the floor in a ribbon for the base coat.
3. Apply at a spread rate of 134 - 160 square feet per gallon to yield 10 - 12 mils wet film thickness using a notched squeegee.
4. Push the squeegee in the same direction as the ribbon with a slight angle to plow extra material to the side.
5. Moving parallel to the first pass, overlap and continue to move material down the floor.
6. Back-roll across the squeegee passes with a non-shedding, 3/8" nap roller.
7. Immediately broadcast **Decorative Chip** into the uncured resin. Toss the chip flake up into the air to evenly scatter it. If the broadcast is to be full/complete, continue to add flakes to the floor until the resin is completely covered.
   ⚠ Do not dump or allow the chip flakes to pile on the floor.
8. After coating under the chip sets up/cures enough to traffic, remove loose/extra flake from the surface.
9. Seal in **Decorative Chip** with a grout coat of epoxy or polyaspartic.

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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. Each sealer type, traffic and other conditions require a certain 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. 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 save and reuse swept and vacuumed Decorative Chip unless you have taken extra precautions
- Do not use in a system that cures too quickly, or chip flakes may not embed in the material.
- Do not delay in pouring mixed resin 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.
- Tire marking may occur.
- 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.

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 nontransferable

SHELF LIFE AND STORAGE

12 months when stored indoors at 60°F – 85°F (16°C – 29°C) in a dry location with humidity below 65%.

- Do not allow materials to freeze.

Shelf life of 12 months from the date of manufacture on the label in the original unopened container stored in recommended conditions.

TECHNICAL ASSISTANCE

Information is available by calling SIMIRON
Toll Free: 1.866.515.8775 / +1.248.686.3600

QUESTIONS?
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PRODUCT DATA SHEET: 8/2022

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