



CONCRETE COATINGS *Epoxy Finishes*

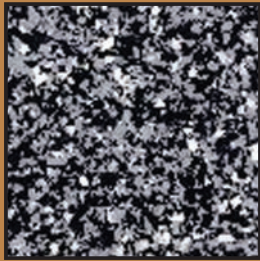
Durable Flooring Systems For Concrete

Epoxy finishes come in a wide variety of colors and textures that will provide a long lasting glossy finish as well as enhance the durability of any concrete surface.

Concrete Coatings Epoxy Systems

Shield 50 and UV Shield are 100% solids and 100% cross-linked for reliability and quality. They are non-shrink, two-component, self-leveling and can be applied in either straw (uncolored), as a pigmented base or, topcoat.

* Read all instructions before installation.



This color chart is a representation only and does not guarantee that the final color will be an exact match or even reasonably close to the sample. The colors produced will rely heavily on skill, practice and experimentation. **Each concrete slab will react differently.** Application methods and age of the concrete will result in different tones or hues and in the case of very old concrete; the stain may have little or no reaction. Even in a controlled environment, cements, aggregates, water content, and concrete curing methods will contribute to different results. Test sections should be done to verify suitability and appearance prior to general application.



For technical assistance please call
800-443-2871
www.ConcreteCoatingsInc.com



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Durable Flooring Systems For Concrete

Features

- ◆ Glossy Finish
- ◆ Multiple Decorative Options
- ◆ Easy to Clean and Maintain
- ◆ Resists Oil, Gas and Grease



CONCRETE COATINGS *Tips*

Coverage

Base coat applications average 8-10 Mils (160-200 square feet / Gal.) Product coverage is dependent upon the existing substrate surface profile and thickness of the designed system. (Note: Topcoats over decorative broadcast systems normally yield half the coverage amount because of the aggregate profile)

Features

100% Solids and 100% Cross-Linked, Numerous Color Selections, Variety of Techniques, No VOC's, Non-Shrink Coating, Excellent Tensile Strength, High Compressive Strength, Excellent Adhesion, Impact Resistant, DOT Non-Corrosive, Ideal for Decorative Flake and Quartz Systems and as a primer for Super Glaze™ Polyurethane applications.

Equipment & Supplies

Squeegee with 60" Handle, Roller with 3/8" Nap Roller Cover (lint free is preferred), Disposable Latex Gloves, Mixing Buckets, Mixing Paddle with 1/2" drill, Sheet Plastic, Solvent for Cleanup, Disposable Rags, Duct Tape, 2- 3" Disposable Chip Brushes, Masking Tape and Masking Supplies.

Surface Preparation

Concrete Coatings Inc. recommends a moisture/calcium chloride content test be performed prior to application. This product is designed for concrete substrates only. Substrate surfaces must have all loose and deteriorated concrete removed to a sound surface. Concrete and other substrates must be clean, sound and free of dust, grease, waxes, coatings, curing compounds and all other contaminants. Shot blasting is preferred above all other methods. Other removal methods include dust-free grinding or abrasion and a "hard etch" (3:1 water to muriatic acid etch) followed by thorough pressure washing using a pressure washer with a minimum of 3000 psi at 3-1/2 gallons of water per minute.

Application

Mix: Pre-mix Component "A" (when pigmented) then pour Component "B" into "A" and mix for 90 seconds (until one even color develops) with a low speed paddle attached to a drill. If working with bulk amounts, measure 2 parts "A" and 1 part "B" and combine in a separate container. Mix as directed above. Apply the product immediately.

Caution: Epoxy cure rates are dramatically increased when in volume. Do not leave in container since large amounts of epoxy materials develop extreme heat and can result in wasted material, removal of affected coating areas or injury from the excessive heat.

To avoid mistakes and to keep material fresh and workable, it is highly recommended to mix only as much material as can be applied in 10-15 minutes.

Prime Coat: Pour the entire contents of container on the floor. Do not scrape the sides of the bucket or place it upside down on the surface. Using a squeegee, disperse material to all areas at an even thickness. Pull the material with the squeegee in a left to right motion. At a slow-medium pace, back roll all areas using a 3/8" nap roller. (Squeegee East to West and back roll North to South) This removes lines left by the squeegee and works out air bubbles. Roll only enough to level material. DO NOT OVERWORK OR ROLL AFTER APPLICATION HAS BEGUN TO CURE.

Spiked shoes may be used to access wet areas to broadcast until a dry medium remains on the surface. Do not drag feet when using spiked shoes. Remove excess material when the surface has cured (typically overnight).

Technical Note: For best results, choose pigmented products for base coat application. For neat (non-broadcast) floors, choose two colors similar to each other. Doing so provides excellent visibility of the coverage and how much or how little has been applied. Using different colors ensures visibility of areas that are yet to be coated with the topcoat.

Sanding between coats is not necessary however a light sanding on broadcast floors softens the profile and reduces the topcoat material usage. Use a floor buffer with a sanding screen for quartz sand floors and a large 12" x 16" vibrating sander for flake floors. Vacuum either application prior to topcoat application.

Topcoat: Topcoat applications are identical but remember that broadcast floors will yield reduced coverages because of the aggregate profile. Spread with a squeegee East to West and finish by back rolling North to South. This should remove all puddles and lines. Concrete Coatings Inc. manufactures different epoxies and urethanes for topcoat application.

Important Notes

Concrete Coatings Inc. epoxy floor coatings are not effective in all areas. Substrate temperature must be a minimum of 50° F/10° C. Do not apply on wet substrate. Do not thin with solvents. Aggregate must be dry when used. Unmixed material may be resealed and used at a later time.

Cleanup

Clean all tools with a clean cloth or rag lightly dampened with solvent. Use caution, wearing proper safety attire and providing adequate ventilation when using solvents. DO NOT USE SOLVENTS TO REMOVE MATERIAL FROM SKIN. Wetted tools such as brushes and rollers are not reusable and should be disposed of after material has cured solid.

Warranty

This product is intended for use by licensed contractors and installers, knowledgeable and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or results from such use. Product proved to be defective will be replaced. The end user shall be responsible for determining products suitability and assumes all risks and liability. There are no other warranties by Concrete Coatings Inc. of any nature, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of warranty, whether expressed or implied, from any other cause whatsoever. Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others.

Cautions: KEEP OUT OF REACH OF CHILDREN

Before using or handling, read the Material Safety Data Sheets and Warranty. DO NOT TAKE INTERNALLY. Avoid contact with skin and eyes. Use only with adequate ventilation and use of respirator when levels are above application limits.

Component "A" Contains epoxy resins and is an irritant. Prolonged contact with skin may cause irritation. Avoid contact with eyes. Component "B" Corrosive contains aliphatic/cycloaliphatic amines and is considered corrosive to certain materials. Contact with skin may cause severe burns. Product is a strong sensitizer. In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes and see a physician.

