



Reactive Concrete Stain

Product Code: 300 Series

Chem-Coat Industries Reactive Concrete Stains will enhance new and existing concrete by adding decorative and unique shading of colors. The variegated and translucent color effects are a result of the unique formulation of blended acidic metallic salts. Chem-Coat Reactive Concrete Stains become part of the concrete surface, due to a chemically reactive process, and will wear only as the concrete wears. Mixing different Chem-Coat Reactive Concrete Stains together can also achieve dramatic results, thus creating your own unique colors. Chem-Coat Reactive Concrete Stains are available in 12 unique colors - ready to use. Special colors may be available upon request.

Testing & Mixing

Read all cautions and Material Safety Data Sheets before any work is started. Always do a small test before project installation in an inconspicuous area. Because of the nature of all stains, the final color may vary throughout the installation, depending on the age, texture, finishing techniques, and other variables within the concrete surface. When mixing different Chem-Coat Concrete Stains together for additional unique colors, a record of the mix ratios should be made for reference, should future color matches be required.

BASIC APPLICATION

1. Protect all surrounding areas before staining. Rope off areas to be stained and keep all traffic clear of the area until the installation is complete. Wet floors can be slippery!
2. Wear suitable protective gear, read all cautions below and all Material Safety Data Sheets.
3. Chem-Coat Reactive Concrete Stain is provided ready to use.
4. Concrete must be cured a minimum of 28 days.
5. Curing compounds, sealers, membrane forming products, and bond breakers applied to the concrete surface prior to staining will affect the ability of the stain to properly react with the concrete. Concrete surfaces must be clean and free of all foreign contaminants such as curing compounds, bond breakers, oil, sealers, dirt, paint, and cleaning residue. Sanding, power scrubbing, and/or additional cleaning methods may be required to totally clean the concrete surface of all contaminants.
6. Use Non Metallic Equipment. Chem-Coat Reactive Concrete Stain will react with metals, therefore the use of brushes, brooms, sprayers and buckets that are non-metallic is recommended. An acid resistant hand pump sprayer can also be used.
7. Always use caution when opening the containers of product. Do not allow containers to stand on untreated concrete areas after opening, as staining will occur if the material is spilled.
8. Always use in a well-ventilated area.
9. Always do a small test in an inconspicuous area before project installation, to insure approval and compatibility of all products and desired color. Read all labels and technical sheets before using Chem-Coat Reactive Concrete Stain. Always check local codes for all Federal and State Regulations, along with the appropriate safety standards. Dispose of left over stain product and/or stain residue in accordance with these regulations. For further questions, please contact Chem-Coat Industries, Inc.
10. Start With a Small Test Area. Choose an out of the way area. Because of the nature of all stains, the final color may vary throughout, depending on the texture, age, and other variables within the concrete. When mixing Chem-Coat Reactive Concrete Stains together for custom effects, a record of the mix ratios used should be made for future reference.
11. Depending on the color desired, an application of two or more coats of stain may be required. Allow Chem-Coat Reactive Concrete Stain to remain on the surface between applications, and after the final application until the chemical reaction is complete, a minimum of approximately four hours. Coverage is about 150-200 S.F. per gallon, per application, depending on the porosity of the concrete.
12. Scrub Chem-Coat Reactive Concrete Stain into the concrete as soon as its applied to the concrete surface, keeping the brush in constant contact and motion with the surface. Keep a wet edge and a uniformly saturated surface. Gradually spread the stain until fizzing stops. DO NOT allow the stain to puddle, splash, or drip on the floor or

treated surface, as darkening and discoloration from the rest of the floor, or treated surface, will occur.

13. Remove Chem-Coat Reactive Concrete Stain residue by wet scrubbing with a neutralizing cleaner, then rinse the surface until the rinse water is clean. All residues must be removed before any coating can be applied. Use caution when handling the stain residue and water drainage. Protect all adjacent foliage and soil from over-spray and runoff. Use an acid resistant wet vacuum and follow all governmental regulations for disposal.

SEALING: We suggest the use of a high quality, non yellowing, concrete sealer containing at least 25% solids with a UV inhibitor to seal the concrete after the color and desired look has been achieved. The sealer will enhance and darken the stain color. Do a small test in an inconspicuous area prior to project installation to insure compatibility of all products. Read all instructions, warnings, and limited liability statements on all product labels and technical sheets before using Chem-Coat Reactive Concrete Stains. Allow sealer to cure before exposing to any traffic.

15. Do not use plastic floor protection - Kraft paper is preferable. DO NOT TAPE TO FLOOR.

NOTE: Palm Green, Aqua Mist, and Byzantine are for INTERIOR USE ONLY. These colors will react with water and moisture in the concrete, and over time will darken or blacken when exposed to water.

THINGS TO REMEMBER

1. Read all cautions and basic application instructions before working with material.
2. The color will vary throughout the concrete slab. Always do a test area first. Read all directions and instructions before project installation begins. For Professional Use Only!
3. The colored concrete is beneath the dried residue, which must be washed off after the chemical reaction is complete to reveal the color of the stained concrete.
4. Palm Green, Byzantine, and Aqua Mist Stain Colors are intended for interior use only. These colors will react with water and moisture, and over time will darken or blacken when exposed to moisture in the concrete. On interior installations, protection from hydrostatic pressure and moisture should be a part of the initial concrete design and slab installation criteria.
5. Chem-Coat Reactive Concrete Stain will not hide surface cracks or other blemishes in the concrete, and may accentuate imperfections within the concrete finish.
6. Chem-Coat Reactive Concrete Stains have a shelf life of approximately six to nine months. Rotate Stock.

CAUTIONS

DANGER! OXIDIZER! CORROSIVE! EYE AND SKIN BURNS! CAUSES SEVERE EYE AND SKIN IRRITATION-BLINDNESS! MAY BE FATAL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN! PROLONGED OR REPEATED BREATHING MIGHT CAUSE ULCERATION OR PERFORATION OF NASAL MEMBRANES. CAN CAUSE CANCER, CANCER HAZARD DEPENDS ON THE LEVEL OF EXPOSURE AND DURATION. KEEP OUT OF REACH OF CHILDREN! FOR PROFESSIONAL USE ONLY! DO NOT USE UNLESS WEARING A P100/HYDROGEN CHLORIDE RESPIRATOR NIOSH TC-84A. WEAR PROTECTIVE CLOTHING - GOGGLES - GLOVES - CHEMICAL RESISTANT APRON AND BOOTS.

WARRANTY

Since no control is exercised over product use, Chem-Coat Industries represents and warrants only that its products are of consistent quality within manufacturing tolerances. No other oral or written representation or statement of any kind, express or implied, now or hereafter made is authorized or warranted by Chem-Coat Industries, Inc., including those of marketability or fitness for a particular purpose. Liability for breach of contract, negligence, or on any other legal basis is limited to the lesser of refund or replacement of defective material. Chem-Coat Industries, Inc. will not be liable for special, incidental or consequential damages, including for delays or lost profits. Communication of this warranty and its limitations to end-users is not the responsibility of Chem-Coat Industries, Inc., but should be communicated by those in direct contact with the end user. Any claim regarding product defect must be received in writing within three months from the date of manufacture. No claim will be considered without such written notice or after the specified time interval. The end user shall determine the suitability of the products for the intended use and assumes all risks and liability in connection therewith.

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