

RetroPlate® Concrete Dye Color Selection Guide



Manufactured Specifically for Licensed RetroPlate® Applicators



Combining Art and Science in Concrete

RetroPlate® Concrete Dye Color Selection Guide

Dye Applied to Gray Concrete



RetroPlate Concrete Dye Concentrates

RetroPlate Concrete Dye Concentrates are a combination of specialty formulated dye/metal complexes concentrated in a water-based, LOW VOC solution that can be diluted in water, alcohol or acetone. RetroPlate Concrete Dye is a concentrated solution, not a dispersion, ready for immediate use without any dwell or reaction time like dye powder concentrates. When applied to bare concrete, polished concrete or overlays, RetroPlate Concrete Dye will provide intense, translucent color effects, similar to stains, without creating a film or coating that can be worn away. RetroPlate Concrete Dye is available in 13 standard colors.

PACKAGE SIZES

RetroPlate Concrete Dye Concentrates are available in **15 oz.** and **75 oz.** sizes.

COVERAGE RATES

500 ft² = 15 oz. concentrate / 1 gal. diluents | **12.25 m² = 117 cc concentrate / 1 L diluents** (Diluents: water, alcohol or acetone)

Coverage rates may vary greatly depending on substrate porosity, substrate color, moisture level and diluent utilized to achieve desired final appearance.

APPLICATION GUIDELINES

1. Dilute 15 oz. with 1 gal. of diluents or 75 oz. with 5 gal. of diluents (Diluents: water, alcohol or acetone*).
2. Always complete a jobsite sample to confirm color.
3. RetroPlate Concrete Dye Concentrates are best applied with an HVLP sprayer, airless sprayer or good quality solvent-resistant pump-up sprayer.
4. Protect all adjacent surfaces from overspray, as RetroPlate Concrete Dye will discolor any porous substrates.
5. Apply first dye application after the 400-grit level of polishing. Multiple light applications are always recommended instead of one, heavy application.
6. Wait approximately 30 to 45 minutes after dye has visibly dried before dry wiping the floor with a white cloth or cleaning the floor with water and CreteClean Plus with Scar Guard™. Doing so confirms the dye is locked into the concrete and removes any excess residue. Diluting with water may lengthen the waiting period.
7. Apply RetroPlate® per manufacturer's guidelines.
8. If additional color is required, apply a second, light application of dye, once again waiting 30 – 45 minutes before proceeding. In some cases, the applicator may wish to use a light application of dye subsequent to the 800 or higher grit level for maximum color intensity.
9. Application of RetroPel™ or RetroGuard™ is recommended, especially in areas that may be in contact with oil, food or water. Always test RetroPel or RetroGuard on the dyed concrete prior to application to assure compatibility.
10. Once the dye and polish portion of the project is complete, protect the floor with breathable protection products if needed.

*** Caution:** When diluting RetroPlate Concrete Dye Concentrates with acetone, be aware that the fumes are extremely flammable. Assure that all pilot lights and ignition sources are extinguished. Provide proper ventilation, as well as respiratory and safety equipment. Consult the acetone manufacturers' MSDS for additional safety and handling information. Use caution when spraying in any enclosed space.

SPECIAL CONSIDERATIONS

The colors in this brochure and the colors you achieve on your floor may vary. The colors represented here approximate, as closely as possible, the appearance obtained in natural light. Variables, including job conditions, finishing techniques and moisture levels may affect the performance of the final color. Always test on a small, inconspicuous sample area in order to confirm dye receptivity and to establish desired dye color.

RetroPlate Concrete Dye Concentrate is for interior application only. Color will fade over time in areas where dye is exposed to frequent sunlight and UV emitting light sources. The quality of UV protection in windows and doors may also determine the amount of time it takes before color must be reapplied.

Information contained in this brochure is to the best of our knowledge, true and accurate, but all recommendations or suggestions are made without guarantee. Since the use of these products are beyond our control, ChemSystems, Inc. disclaims any liability incurred in connection with the use of our products and any information contained herein.

