

ECOGUARD™ CONCRETE POLISHING SYSTEM

② ECOGUARD™ Color Infusion

The **GREEN** alternative to color enhancement for polished concrete applications

PRODUCT DESCRIPTION: Concrete Earth ECOGUARD™ Color Infusion is a water soluble concentrate which offers all of the advantages of solvent based dye solutions, with none of the dangers of fumes or flammability issues. Color Infusion dyes are designed to penetrate well into the concrete matrix, and polished to a high level resin, with minimal to no color loss. Color Infusion is a sustainable, long lasting, easy to apply and maintain, color medium. Color Infusion uses high quality organic dyes, and is not recommended for use in exterior applications. Ideal uses are for polished concrete floors, commercial concrete flatwork or decorative stamping exposed to high traffic such as terminals, lobbies, showroom floors, restaurants, grocery stores, schools, malls, as well as residential kitchen floors, and living spaces. Color Infusion can also be used on concrete countertops, and polished or sealed with approved countertop sealers or waxes such as Concrete Earth Counter Shine Wax.

BENEFITS:

- A deep penetrating water soluble dye that is water insoluble once dry
- Easy to apply by construction grade pump up sprayer - no acetone resistant sprayer required
- Sprayer can be cleaned with water only, no hazardous chemicals to dispose of
- Excellent color retention under concrete polishing applications, both wet and dry
- Deep, brilliant color schemes available in 24 shades
- Water base formula is safer to use than traditional solvent based dyes
- Environmentally friendly formula qualifies for LEED accredited projects
- Very low VOC content ,no related flammability hazards during shipping or application

COMPOSITION: ECOGUARD™ Color Infusion contains a proprietary blend of organic dyes and emulsifiers. Contains no chromium or heavy metal components.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	8.52 +/- 0.10 lb./ gallon
pH:	8.5 +/- 0.10
Odor:	Very slight
%Solids (Concentrate):	>80.0% +/- 1.0
Freeze Point:	30°F (-1.1°C)
VOC (Volatile Organic Compounds) diluted:	<100 g/L (0.50 lb./gal) *After dilution with 3 parts (volume)water

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality **EQ Credits 4.2:** Low emitting materials (VOC < 25 g/L). **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Lemont, Illinois 60439. 90% Content- Harvested within 500 miles. **MR Credits 6.2:** Rapidly renewable materials.

TEST AREA: Always test ECOGUARD™ Color Infusion on a small area of the surface to be treated before overall application to determine color suitability and results. Use a test location that is out of the way and not in the main area of the final area.

SITE PREPARATION: It is recommended to apply ECOGUARD™ Color Infusion at the 100 Grit level using resin bond diamond tooling. Once complete, ensure a clean surface, with minimal dust contamination. It is highly recommended to both vacuum and damp mop the surface or a single pass with an auto scrubbing machine using a clean rinse and squeegee application. Since ECOGUARD™ Color Infusion is a water based dye solution, it is not necessary for the floor to be completely dry before proceeding. A slightly damp floor surface will not affect the depth of penetration or color.

APPLICATION: ECOGUARD™ Color Infusion is a concentrate, which is to be diluted 1:3 parts by volume with potable water. ECOGUARD™ Color Infusion is intended to be applied by spray only, using a conical fine spray tip equipped pump-up sprayer or sprayed using a standard fan tip and spread by microfiber or defibrillated nylon brush. Apply ECOGUARD™ Color Infusion at a rate of about 400 to 600 SF per gallon. Use rayon micro-fiber applicators or a defibrillated nylon broom (Orange-Crete® brushes are highly recommended) to spread the stain evenly into the concrete surface if desired. Apply the ECOGUARD™ Color Infusion in a circular motion that allows for approx. 20% overlap and helps avoid uneven coverage. Allow to dry 35-45 minutes. Use a high speed buffing machine with medium aggressive buffing pads (Blue/Green) to obtain optimal removal of excess stain, and to lock in the color into the substrate. ECOGUARD™ Color Infusion offers a very low odor, easily sprayed dye solution, with excellent color penetration and water resistance.

NOTE: To increase color depth and hue, you may reduce dilution ratio to 1:2 with potable water.

IMPORTANT: Ecoguard Color Infusion, once diluted with water as indicated herein, **MUST** be used the same day or within 24 hours. Over longer periods, the diluted stain will separate and become unusable.

CLEAN-UP: **While the color infusion is still wet, rinse with water only.** Use additional cleaning solvents to promptly remove any remaining film residue, as the ECOGUARD™ Color Infusion is water insoluble once dry.

COVERAGE: Approximately 400-600 square feet per gallon (37-55 sq meters/liter).

CAUTIONS: **Apply when the surface temperature is above 40°F (4.5°C) and rising.** The use of a polyester or rayon fiber applicator is recommended to achieve deeper and even color spread. NEVER apply using cotton mops. ECOGUARD™ Color Infusion is not suitable for concrete subject to chemical, caustic or solvent exposure or containment, unless properly sealed with a chemical resistant urethane or epoxy. It is not recommended for use in exterior applications due to UV instability of organic dyes. ECOGUARD™ Color Infusion is to be applied on concrete surfaces that are porous and not yet densified with any silicate product.

WARNINGS: **ECOGUARD™ Color Infusion is harmful if swallowed. It is also an eye irritant and may irritate skin. Wear protective safety glasses, gloves, and clothing when handling. Avoid prolonged skin contact-wash skin with soap and water if exposed to avoid irritation. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. Keep containers closed when not in use and dispose of accordingly. Keep away from food and drink. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. For medical emergencies only, call Infotrac 800-535-5053.**

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = C

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55 CONCRETE SEALER-WATER BASE-NOT REGULATED BY D.O.T.

PACKAGING: 1 quart (6/case)

STORAGE: 40° to 90° F. Keep from freezing. If frozen, allow to thaw to room temperature and stir before using.

SHELF LIFE: 1 year properly stored

WARRANTY: Concrete Earth, LLC (CE) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of CE, no other representations or statements made by CE or its representatives, in writing or orally, shall alter this warranty. **CE MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any CE product fails to conform with this warranty, CE will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** CE does not authorize anyone on its behalf to make any written or oral statements which in any way alter CE's installation information or instructions in its product literature or on its packaging labels. **CE explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through CE. CE has no control over CE application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any CE products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of CE's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. **REVISED: 05-19-11**