

# ECOGUARD™ CONCRETE POLISHING SYSTEM

## ① ECOGUARD Pre-Grind

The **GREEN** alternative to an easy first grind for polished concrete floor applications

**PRODUCT DESCRIPTION:** Concrete Earth ECOGUARD Pre-Grind is a water based concentrated, non-hazardous biodegradable cleaning and etching compound. It is formulated for preparing concrete surfaces for easier grinding using higher grit metal diamonds on the first cut to obtain a quick and clean exposed Salt n' Pepper surface, or a clean Cream polish finish using low grit resin diamond abrasives. ECOGUARD Pre-Grind is formulated using organic acids and surfactants made from naturally occurring materials, which makes it safer to use and just as effective as traditional hydrochloric or phosphoric based solutions.

### BENEFITS:

- An excellent surface cleaning and etching compound
- Permits the use of higher grit metal bonds on the first grind/cut
- Easy to apply by plastic pump up sprayer
- Higher grit abrasion first grind promotes a consistent Salt N' Pepper finish
- Degreases and emulsifies oil, grease and other dirt in one application
- Leaves a cleaner surface with reduced diamond wear and labor costs
- Green solution and very user friendly (no smell or fumes)

**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.

**COMPOSITION:** ECOGUARD Pre-Grind contains water, plant based biodegradable organic salts with proprietary, non-hazardous acid derivatives, and surface wetting agents.

### TECHNICAL DATA:

PHYSICAL PROPERTIES:	APPROXIMATE VALUE AT 70°F (21°C):
WEIGHT PER GALLON:	9.20 lb./gallon +/-0.10
pH:	3.25 +/- 0.20
COLOR:	Light blue solution
V.O.C. CONTENT:	Contains no VOC's

### APPLICATION DIRECTIONS:

**TEST AREA:** Always test ECOGUARD Pre-Grind on a small area of the surface to be treated before overall application to determine suitability and results. Any non-reaction of the product indicates the presence of a sealer. Use a test location that is out of the way and not in the main area of the final area.

**COVERAGE:** ECOGUARD Pre-Grind can be diluted from 1:3 parts by volume with clean, potable water, depending on the surface condition. Use a more concentrated solution for heavily contaminated surfaces or to speed the etching process. Coverage is approximately 200 square feet per gallon after dilution and is dependent on concrete porosity. Coverage is typical for hard or mechanically troweled finished concrete.

**APPLICATION:** Apply ECOGUARD Pre-Grind by use of a plastic pump up sprayer. Do not use metal sprayers. After spraying, etching should take place immediately and will generate a foam or fizzing reaction with the concrete. Allow the cleaner to remain on the concrete about 10 to 15 minutes, and saturate with water using a plastic pump up sprayer. Grind the first cut slightly wet, ensuring to turn off the dust control system. While grinding, a “mud” buildup will appear, and further grinding will quickly evaporate the water, and dusting will start. Once that stage is reached, turn on the dust control system, and continue grinding until the desired surface tension and finish is achieved. Wash off remaining powder and ECOGUARD Pre-Grind residue. Allow the surface to dry and continue to the next step.

**LIMITATIONS:** If the surface reaction is not noticeable after applying the ECOGUARD Pre-Grind, the concrete may have a sealer, or coating barrier that is preventing cleaner absorption. In this case, it is preferred to wet grind off the coating or to strip the coating with a good commercial stripper. Concrete Earth Lightning SB is recommended to remove most coatings. Although grinding is the likely choice, acrylic based sealers tend to “glaze” over metal diamond tools, rendering them inefficient, and creating additional labor costs and delays. If heavy grease or soaked-in oil are present, pre-clean with Concrete Earth Citrus Solve C-25 degreaser before applying the ECOGUARD Pre-Grind. After application, test the concrete for open porosity by spraying lightly with water mist. If the concrete darkens, then the surface is ready to grind. If the water beads on the surface and does not penetrate easily, then the surface needs to be further etched or abraded.

**CAUTIONS:** ECOGUARD Pre-Grind achieves best results if ambient temperatures are above 40°F (4.4°C) and below 90°F (32.2°C).

**WARNINGS:** ECOGUARD Pre-Grind is for use by qualified professional contractors and trained applicators. Although it is non-corrosive to skin, avoid prolonged skin contact. Wash skin with soap and water if exposed to avoid irritation. Wear splash resistant eye protection and impervious gloves when handling. There are no fumes associated with ECOGUARD Pre-Grind when applied manually by brush or broom, however, if a sprayer is used, a NIOSH approved respirator is recommended as the solution will be in a vaporized form and may cause irritation. Before using, 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 EMERGENCIES ONLY, CALL INFOTRAC 800-535-5053.**

**H.M.I.S. CODES (Hazardous Materials Identification System):** HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = E (Impervious gloves, splash goggles and respirator). **HAZARDOUS INGREDIENTS:** Section 313 Supplier Information: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 and of 40CFR 372.

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

**PACKAGING:** 1 gallon (3.78L) bottles (6 gallons / case), 5 gallon (18.9L) pails, and 55 gallon drums (207.9L)

**STORAGE:** 40° to 90° F. Keep from freezing. **SHELF LIFE:** 2 years 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.

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