

RZTORE™

STAMPED CONCRETE COLOR RESTORATION

PRODUCT DESCRIPTION: RZTORE™ is a unique three step, zero VOC solvent-based color repair system intended to rejuvenate and enhance worn or discolored exterior stamped concrete surfaces. RZTORE™ adds small amounts of highly penetrating color and specialty surface minerals to simulate the natural mottling of the integral colors and release agents used in its original placement. The RZTORE™ system is ideal for refurbishment of stamped concrete surfaces that have faded in areas from natural weathering exposure, been subjected to chemical or salt attack, abrasion damage from snow removal, or worn down from routine vehicular and foot traffic. RZTORE™ is formulated to apply by sprayer method ONLY in an easy three step installation process by use of an acetone resistant pump up sprayer, HVLP gun, or commercial airless sprayer. RZTORE™ will increase the stain resistance and beauty of the concrete with a natural, realistic appearance. RZTORE™ will also allow easier cleaning, maintenance, and extended wear, while adding protection and beauty to the surface. RZTORE™ is engineered primarily for the repair and renovation of stamped concrete patios, driveways or walkways, stamped overlays, and as an alternative finishing system for newly placed stamped concrete or stamped concrete overlays.

BENEFITS:

- **Revives old stamped concrete flatwork with a new, realistic and authentic appearance**
- **Provides color enhancement of old, worn, or dull substrates with consistent uniformity**
- **Colors are engineered to match most stamped concrete finishes**
- **Simple three step process is fast and easy to apply**
- **Finishes to a Gloss or Matte finish**
- **Can be returned to foot traffic within 8 to 12 hours after installation**

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality **EQ Credits 4.2:** Low emitting materials (contains zero VOC). **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.

COLORS: Concrete Earth RZTORE™ system is available in 15 distinct earth tone **Color Base** that allow easy shade matching to most concrete surfaces, along with 8 **Accent Antiquing** shades. Please refer to Concrete Earth RZSTORE™ Color Base and Accent Antiquing color cards for shade options.

COVERAGE: Coverage will vary naturally depending on the porosity and texture of the concrete surface (See Limitations). For best appearance and performance, apply uniformly and at the recommended coverage rates below:

APPLICATION STEPS:	COVERAGE:	DRY TO TOUCH TIMES:
STEP 1: Color Base (Two parts- need to pre-blend 5 gallon units only and apply)	400 ft2/gal	15-20 minutes
STEP 2: Accent Antiquing (Two parts- need to pre-blend 5 gallon units only and apply)	200 ft2/gal	1 hour
STEP 3: Surface Seal (Single component)	300 ft2/gal	1 hour

PHYSICAL DATA:	-Suggested wait times:
Foot Traffic:	8-12 hours
Vehicle Traffic:	24 hours

*Drying time assuming 65°–85° F (18°-29° C) at 50% relative humidity. Low concrete or air temperature and/or high relative humidity will extend dry times.

SPECIFICATIONS/COMPLIANCES: All system products of RZTORE™ contain zero volatile organic compounds and meets the Architectural Coatings requirements in accordance with EPA 40 CFR Part 59 Table 1 Subpart D for Concrete Sealing Compounds. RZTORE™ Surface Seal complies with all current National AIM VOC requirements for all states, regions and counties.

SURFACE PREPARATION: The surface should be thoroughly cleaned and loose/worn existing sealer removed completely. We strongly recommend the use of Concrete Earth’s all Green **Enviro Clean & Etch C-30** in combination with careful use of a high psi pressure washer (>3500 psi) for complete removal of residual sealer, oil/grease, embedded dirt and other stains. It is important to ensure that the surface to be treated is completely clean with NO oil residue, and that any remaining sealer is thoroughly bonded to the surface. Partial sealer remnants will not impede the system from performing. Allow the cleaned surface to dry overnight under normal conditions (min. of 8-12 hours) before proceeding with RZTORE™ application sequence. Atmospheric conditions such as wind, temperature and humidity can affect moisture content of concrete. Allow sufficient dry time, typically 8-12 hours depending on temperature, wind and humidity to ensure that the concrete is totally dry before proceeding to application of the RZTORE™ system.

TEST AREA: The applicator should read all technical data, MSDS, application guidelines, and product label before using this product. A small test area mock up is also recommended on large projects to ensure correct color tone appearance and surface aesthetics.



SPRAYER RECOMMENDATIONS: Rztore requires the use of an acetone resistant, hand held pump up sprayer. **Concrete Earth recommends the use of a “SP Systems” Acetone resistant sprayer for best results.** Use model SP10ACT for 1 gallon capacity or model SP35ACT for 3.5 gallon capacity. Contact SP Systems customer service at 800-457-3440 for any additional questions on sprayers not listed below. **Note that optional brand sprayers must be of acetone resistant design, as common polyethylene sprayers (gardening type) and traditional xylene based gasketed types cannot be used.**

STEP 1 – COLOR BASE:

1 GALLON UNITS: These are made in a “ready to use” single gallon can that just needs to be shaken well before using. It is recommended to shake the can thoroughly, then drain half the material out into an empty pail or can, then recap and shake again. This additional shaking should dislodge any remaining pigments at the bottom of the can. The remaining half gallon should then be added together with the initial half gallon to ensure a uniform consistency. Transfer the entire solution to sprayer. **The Color Base step applies best with a 0.04 aperture (#4 green) conical ceramic tip (SP Model 14TX VK-4). Optional T-Jet tips are not recommended.**

5 GALLON UNITS: The user should take the Part A of the Color Base kit and shake well by hand before opening. Note that this can is only partially full (5/8 gallon) to allow easier mixing of the pigments inside the can. Next, open the Rieke valve only on the Part B container (4 3/8 gallon) and using a small funnel, add the contents of the Part A can into the opening. After transfer, recap the valve opening and shake the pail vigorously to ensure absolute color uniformity. Next, transfer this solution to application sprayer and apply as stated above with #4 conical tip.

APPLICATION: Apply Color Base solution in a circular motion to ensure an even color dispersion, keeping the tip approximately 8” to 12” from the surface while spraying. The Color Base solution dries quickly making it easy to identify any areas that may have been missed on the first pass. It is advised to shake the sprayer in between long time intervals to ensure that the color is staying properly dispersed. Note that when spraying stair risers, spray 2-3 thin coats to avoid any runs. If streaking does occur, immediately blot them out with a rag that is pre-dampened in the diluted Color Base solution to help eliminate them. Wait 15 minutes before either applying a second coat of Color Base, if desired for a darker tone. Allow the surface to dry 20 to 30 minutes, and proceed to **STEP 2.**

STEP 2 – ACCENT ANTIQUING:

1 GALLON UNITS: Refer to the same shaking and transfer instructions as **STEP 1, 1 gallon unit, above.** Transfer the entire solution to sprayer. **The Accent Antiquing step applies best with a 0.08 aperture (#8 gray) conical ceramic tip (SP Model 14TX VK-8). Optional T-Jet tips are not recommended. It is also advised to remove the backflow valve for STEP 2 Antiquing.**

5 GALLON UNITS: Refer to the same shaking and transfer instructions as listed in **STEP 1, 5 gallon unit, above.**

APPLICATION: Apply Accent Antiquing in a circular motion to ensure an even color application, keeping the tip approximately 12” to 18” above the surface while spraying. The Accent Antiquing solution can be applied as needed to add different degrees of darkening or highlighting depending on the texture of the surface. Where there are deep depressions, spray a little heavier to achieve a nice antiqued look. Make sure to keep the sprayer at good pressure to ensure proper spray pattern mist, and take care to shake the sprayer in between long spraying intervals to keep the Accent Antiquing components properly dispersed. After the surface is dry to the touch, (approx. 1 hour) proceed to **STEP 3.**

STEP 3 – SURFACE SEAL (OPTIONAL GLOSS/MATTE):

APPLICATION: The Surface Seal applies best with a 0.08 aperture (#8 gray) conical ceramic tip (SP Model 14TX VK-8). **Optional T-Jet tips are not recommended. It is also advised to remove the backflow valve for STEP 3 Sealing.** If any slip resistant aggregates are added to this step, such as Concrete Earth’s Spec Grip, then a slightly larger tip size should be used, such as a #10 (black)(SP Model 14TXVK-10) or #12 (brown) (SP Model 14TXVK-12).

Apply Surface Seal as a clear topcoat to help lock in the Color Base and Accent Antiquing Release components for extended wear and protection. Surface Seal is formulated with a hard acrylic resin to provide maximum resistance against abrasion wear, stains, chemical attack, and weathering exposure. One coat is sufficient for a final seal. Take care to maintain a wet edge during application and to avoid over-spraying or puddling. Clean sprayer when complete with Concrete Earth B-41 Resolve solvent solution to keep sprayer tips unclogged for future use. Surface Seal comes in two formulas: high gloss or matte finish. Note- The application standards are similar for either RZTORE™ Surface Seal Matte or RZTORE™ Surface Seal Gloss. Note that the Surface Seal Matte contains an internal flattening agent that requires that the solution be lightly agitated before application. The flattening agent will redisperse easily into solution using low speed mechanical agitation by either air (pneumatic) or explosion proof (non-spark) design.



LIMITATIONS: RZTORE™ should not be used to hide surface blemishes, construction errors, differences in porosities, or differences in texture of the concrete substrate. Any of these factors will result in possible visible appearance differences in the final RZTORE™ application. A test area is always recommended to determine product suitability before use, especially on light colored driveways, sidewalks, or patios where appearance is critical. RZTORE™ Surface Seal should be considered as a medium duty “thermoplastic resin” based system which may exhibit tire markings or rubber transfer when subjected to forklift or heavy vehicular traffic. Do not use RZTORE™ Surface Seal in areas subjected to strong solvents, such as gasoline or brake fluid. For such applications, please refer to our RZTORE™ Surface Seal Plus, which is a two part, highly abrasion resistant Urethane sealer option. The use of Concrete Earth Spec Grip anti-slip additive is recommended for increased traction on surface inclines or around consistently wet areas such as deck pool surrounds. Restrict foot traffic for at least 4 hours, 12 hours is preferred.

CAUTIONS: RZTORE™ COMPONENTS CONTAIN FLAMMABLE LIQUIDS! USE ONLY OUTDOORS IN WELL VENTILATED AREAS. Before using, the applicator should read all label, technical data and safety information warnings completely. Keep containers closed until ready to use or when not in use. When mixing RZSTORE™ Color Base or Accent Antiquing A & B components, make sure the mixing is pneumatic (air) or manual agitation (shaking or paint stick), no standard electrical or battery operated mixers should be used with flammable liquids due to chance of spark. Ensure that proximate HVAC inlet/openings, windows and air intakes are closed to prevent intake of vapors into a building interior. Do not apply RZSTORE™ components in or around buildings occupied by non-construction personnel, as the solvent odors may be irritating. RZSTORE™ components are not to be applied in or near areas containing food or drink products. These should be removed and only returned after solvent vapors have dissipated. Do not apply RZSTORE™ components if rain is expected within 4-6 hours of sealing. Do not apply when concrete surfaces are below 40° F (4° C) and dropping or above 90° F (31° C) and rising. For ideal sealer properties and improved bond, the RZSTORE™ components should be applied in early morning or late afternoon time periods and should not be applied in full sun if possible. In cold applications, RZSTORE™ components will not freeze but should be warmed ideally to 50° F (25° C) before use. RZSTORE™ Surface Seal can be slippery when applied and during drying. Keep all traffic off the treated surface until dry. Protect all grass, foliage and related landscaping from over-spray.

WARNINGS: Avoid ingestion, skin and eye contact of the spray mist. Wear safety glasses or splash goggles and protective clothing during application. Also wear an OSHA/NIOSH approved respirator when applying as the vapors emitted from RZSTORE™ components may cause respiratory tract irritation. People with medical conditions should not be exposed to the vapors or fumes. Empty container may contain explosive vapors that are heavier than air. Do not cut or weld on or near empty container. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.** For medical emergencies only, call Infotrac 800-535-5053.

H.M.I.S: HEALTH = 2 - FLAMMABILITY = 3 - REACTIVITY = 0 - PERSONAL PROTECTION = G

SHIPPING NAMES: UN1866, Resin Solution, Flammable Liquid, HC3, PG II

SHIPPING CLASS: ITEM 155250, SUB 2, LTL 65 - Concrete Sealing Compound.

PACKAGING: RZTORE™ Color Base & Accent Antiquing:

One Gallon Kit: Pre blended 1 gallon ready to use cans, 6 gallon cans per case

Five Gallon Kit: Part A (0.625 gal) in 1 gallon metal can and Part B (4.375 gal) in 5 gallon metal pail – makes 5.00 gallons blended

RZTORE™ Surface Seal

1 gallon cans and 5 gallon metal pails – single component.

STORAGE: 40° to 90° F (4° to 31° C) Store away from direct sunlight, and sources of spark, ignition, combustion or flame.

SHELF LIFE: 3 years properly stored.

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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 to 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.

