

A Trowel Applied Decorative Epoxy Based System with a Terrazzo-Like Appearance

DESCRIPTION:

Our TERRAZZO-ROCK System is a decorative, heavy duty, trowel applied flooring system composed of clear 100% solids binder resins, UV stable colored quartz and recycled glass. TERRAZZO-ROCK provides the creative design elements, low maintenance and high durability of traditional terrazzo, but at a fraction of the cost and time to install.

RECOMMENDED USES:

The TERRAZZO-ROCK System is specified for use as a high performance flooring system in areas that experience heavy wear and or high loads and/or require a decorative appearance. It is intended as a 1/4" – 1/2" thick overlay system for use in commercial, institutional or industrial spaces where a durable, seamless, low maintenance, decorative floor finish is desired. Typical applications include retail stores/malls, airports, hospitals, train stations, showrooms, office buildings, schools, dining and bar areas of restaurants, cafeterias, etc.

SYSTEM FEATURES:

- 100% solids, very low odor and VOC compliant
- Variety of TERRAZZO-ROCK color blends available. Use different TERRAZZO-ROCK color blends in areas of the same floor to create designs or indicate traffic patterns or to provide visual separation between cove base and floor, etc.
- Excellent durability, impact resistance and compressive strength.
- Very good chemical, UV and abrasion resistance.
- Easy to Clean, Maintain and restore when it becomes worn.
- USDA / FDA accepted for use in food retail locations
- Smooth, gloss finish is standard, but can be varied using different finish coats.
- Easy mixing ratios and application steps.

BASIC SYSTEM INSTALLATION STEPS:

1. Prepare substrate according to ROCK-TRED's Surface Preparation Guide. A minimum surface profile of CSP-2 to 3 achieved via shot-blasting is recommended.
2. Perform any necessary substrate patching using approved ROCK-TRED materials.
3. Install any floor accessories such as termination strips or dividers using ROCK-TRED's RQP repair and adhesive.



4. Mix CHEM-ROCK LV liquids and apply neat to the prepared substrate at 150-200 sq. ft. per gallon. Only apply as much primer coat as you can install the TERRAZZO-ROCK mortar over while it is still wet or very tacky.
5. While the primer coat is still wet start application of the TERRAZZO-ROCK mortar course at a minimum of 1/4" thickness. TERRAZZO-ROCK mortar is created by combining 3/4 mixed gallons of CHEM-ROCK LV clear liquids with 50 pounds of PCA-326 TERRAZZO-ROCK aggregate. Place using a screed bar or screed box and finish with a steel concrete finishing hand trowel or with a low RPM power trowel fitted with plastic blades.
6. After the TERRAZZO-ROCK mortar course is cured apply a clear grout coat of CHEM-ROCK LV-UV, LV, MV or CHEM-THANE P-50/P-100 at 80-100 sq. ft. per gallon. After this coat is cured the TERRAZZO-ROCK mortar may be diamond ground to remove trowel marks and surface imperfections. Grinding is not necessary, but may help to provide a better finished appearance.
7. After the grout coat has cured and any necessary grinding is completed a top coat of CHEM-ROCK LV, LV-UV or CHEM-THANE P-50/P-100 at 100-150 sq. ft. per gallon should be applied. If anti-slip texture is required it may be broadcast and back rolled into this top coat.
8. An abrasion resistant high performance finish coat is optional, but recommended. Recommended top coats include CHEM-THANE WBP Gloss or Low Luster or CHEM-THANE 509 Gloss or Satin. Apply according to product specific recommended coverage rates.

TERRAZZO-ROCK SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- Primer/TERRAZZO-ROCK Binder: CHEM-ROCK LV.
- CHEM-ROCK LV, MV or LV-UV or CHEM-THANE P-50/P-100 for grout and top coats.
- CHEM-THANE WBP Gloss or Low Luster or CHEM-THANE 509 Gloss or Satin for optional abrasion resistant finish coat.
- ROCK-TRED PCA 326 TERRAZZO-ROCK Aggregate

OPTIONAL SYSTEM COMPONENT PRODUCTS:

- If need is indicated through proper ASTM testing, or as a precaution, ICP's Arizona Polymer Flooring's VaporSolve System can be applied directly to the concrete prior to the primer coat to mitigate moisture vapor transmission.
- Pre-patching to non-moving joints, cracks, spalls or eroded areas of concrete can be completed using ROCK-TRED's Poxi-Rock Flooring Mortar, Crack N Patch Kits, ROCK-MENDER or RQP rapid set patching compound.
- If the concrete substrate is less than 5 years old, or there is evidence of minor movement along the control joints, control joints through the TERRAZZO-ROCK System should be installed. After cutting, the joints can be filled with ROCK-TRED's ELASTI-POXI JOINT FILL permanently flexible sealed joints.
- When installing the TERRAZZO-ROCK System on mezzanines or other substrates subject to vibrations, or when a waterproofing undercoating is required, a pre-prime of ELASTI-POXI MEMBRANE applied at 65-80 sq. ft. per gallon is recommended.

FOR BEST RESULTS:

- Do not apply at less than 1/4" thickness.
- Recommended for Interior Use Only.
- If need is indicated through proper ASTM testing, or as a precaution, ICP's Arizona Polymer Flooring's VaporSolve System can be applied directly to the concrete prior to the primer coat to mitigate moisture vapor transmission.
- Batch mixing and mortar placement is easiest using tools such as a Ted Baugh brand Mixer, Toter and Screed Box set.
- For porous or weaker substrates a pre-prime of an appropriate ROCK-TRED primer may be beneficial.
- When placing the TERRAZZO-ROCK Mortar ensure there is adequate lighting. Shining lights horizontally across the surface as its being finished will improve the finishers' ability to see unevenness and correct the imperfections during the installation process.

- If diamond grinding after the grout coat is necessary large diameter planetary grinders are recommended over than hand-grinders to create the most even finish. Vacuum all dust and tack rag thoroughly after grinding to ensure an even top coat.
- DO NOT thin the polymer products.
- DO NOT apply when humidity exceeds 70% indoors.
- DO NOT allow material to puddle during application.
- Allow each coat to dry tack-free or clear before recoating.
- Apply each coat within 24 hours of previous coat.
- DO NOT apply to structurally unsound surfaces.
- Remove all surface oil and/or grease
- Mix full kits of resin/hardener only. Kit components are pre-measured for optimal performance. Catalyzation errors due to mis-mixing in the field voids product warranty.

SURFACE PREPARATION:

The substrate must be clean, dry and sound. New concrete should be cured for at least 28 days @ 70°F and have an effective moisture vapor barrier in place. If the concrete is too new, and/or when moisture testing per ASTM F2170 shows results over 80% RH, the substrate should be treated with ICP's Arizona Polymer Flooring System's Vapor Solve System per specifications. Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials and any previously applied potentially incompatible coatings. Create a surface profile on the substrate by either steel shot blasting or diamond grinding to a minimum CSP 2-3 profile. For additional floor preparation information refer to ROCK-TRED'S Surface Preparation Guide.

Review ROCK-TRED'S Safety Data Sheets (SDS), labels and individual technical data sheets for the component products prior to mixing and applying.

ADDITIONAL REFERENCE MATERIAL:

TERRAZZO-ROCK System AIA Specification
Component Tech Data Sheets
Component Material Safety Data Sheets
ROCK-TRED's Surface Preparation Guide
ROCK-TRED's Floor Maintenance Instructions

MAINTENANCE: For optimal floor appearance and performance following installation, refer to ROCK-TRED's Floor Maintenance Instructions.

CUSTOMER NOTE: For information on application situations not covered above, contact your local ROCK-TRED representative or the corporate office at 888-ROCK-TRED.

WARRANTY STATEMENT:

Information about ROCK-TRED products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, ROCK-TRED cannot guarantee anything but the quality of its products. ROCK-TRED warrants that its products meet the specifications set forth by ROCK-TRED, but we reserve the right to change any given specification without prior notice. ROCK-TRED DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of ROCK-TRED products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents not withstanding. Upon receipt of merchandise, purchaser has 30 days to notify ROCK-TRED in writing that materials are defective. In the event ROCK-TRED finds that the product delivered is off specification, ROCK-TRED will, at its sole discretion, either replace the product or refund the purchase price thereof, and ROCK-TRED's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of ROCK-TRED exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. ROCK-TRED will under no circumstances be liable for special, incidental or consequential damages. This warranty supercedes all other guaranties, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.