ROCK TRED
POLYMER COATING SOLUTIONS

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TECHNICAL DATA

ROCK-CRETE TR

(V.2012)

TROWEL APPLIED CEMENTITIOUS URETHANE FLOORING SYSTEM

DESCRIPTION:

ROCK-CRETE TR (V.2012) is a high-solids cementitious urethane flooring system designed for hand trowel application. **ROCK-CRETE TR (V.2012)** has a coefficient of expansion similar to that of concrete allowing it to tolerate large temperature swings (thermal-shock) and service exposure to wet and dry temperatures of up to 220^0 F.

USES:

ROCK-CRETE TR (V.2012) contains zero VOC's, resists caustics, organic and inorganic acids and many other harsh chemicals. **ROCK-CRETE TR (V.2012)** is ideal for use in food and beverage processing plants and commercial kitchens. **ROCK-CRETE TR (V.2012)** meets all of the USDA/FDA guidelines for use in federally inspected facilities.

TYPICAL COVERAGE:

ROCK-CRETE TR (V.2012) is to be applied at a minimum thickness of ¼" per lift. Each **ROCK-CRETE TR (V.2012)** Kit includes one set of Parts A & B Liquids, ONE ROCK-TRED UNIVERAL Colorant Pack and TWO bags of Part C TROWEL Aggregate. Approximate PER KIT yield at ¼" thickness is 61 square feet. Theoretical coverage rates assume an even concrete substrate mechanically prepared to a CSP-3 profile.

ADVANTAGES:

- Highly resistant to thermal shock and elevated temperatures
- High compressive strength and abrasion resistance
- Very good broad spectrum chemical resistance
- Self-priming over bare concrete substrates
- VOC compliant
- Able to be colored using ROCK-TRED Universal Colorants
- Tolerates up to 6 lbs. per square foot per 24 hours MVTR (Moisture Vapor Transmission Rate
- Will tolerate damp substrates during installation
- Low temperature additive available for installations below 50^0F
- Can be left without a finish coat or can be sealed with top coats to meet project specific requirements

TYPICAL PROPERTIES:

PHYSICAL PROPERTIES	
Mix design	1.85 Mixed Gallons of Urethane Liquids (Parts A & B) to TWO 52 lb. bags of RT Aggregate (Part C)
Viscosity (mixed)	520 CPS Typical
Solids Content (%)	95% (ASTM D-2697)
Hardness (ASTM D-2240)	80-90 (Shore D)
VOC	0 g/l (EPA method 24)
Application Temps.	50^0 – 75^0 F
Working time	20 minutes @ 75^0 F
Recoat time	4-6 hours @ 75^0 F
'Open' to foot traffic	6-8 hours @ 75^0 F
'Open' to vehicle traffic	12-16 hours @ 75^0 F
Shelf Life	1 Year in unopened units

TECH DATA SHEET ROCK-CRETE TR (V.2012)

ROCK-CRETE TR (V.2012)

LIMITATIONS & FOR BEST RESULT:

- **ROCK-CRETE TR (V.2012)** liquids **WILL NOT** cure without the Part C / TR Aggregate added.
- Do not thin this product.
- Do not apply when Humidity exceeds 70% indoors.
- Allow each coat to dry to 'tack-free' or clear prior to re-coat.
- Always apply the next coat within 24 hours of completing the previous application.
- Do not apply this product heavier / thicker than the recommended spread rate / mil thickness.
- As an aromatic urethane ROCK-CRETE products are not very color stability and may discolor and/or "chalk". Discoloration and chalking will not affect system performance. To prevent discoloration and chalking topcoat with a non-ROCK-CRETE finish coat. Call ROCK-TRED for specific details.
- For applications below 50^0 F add 1 bottle [1 oz.] ROCK-CRETE ACCELERATOR Part "D" per kit during mixing of ROCK-CRETE liquids.
- All cementitious urethane products naturally produce carbon dioxide bubbles during the cure process, but are less prevalent in trowel down applications.

PRODUCT APPLICATION:
Apply by hand trowel followed by loop rolling as needed to remove trowel marks. Broadcast media onto wet material if so desired for texture. ROCK-TRED product test data is based on environmental temperatures of 75^0 F (24^0 C). Viscosity and working time are always affected by temperatures above or below that mark. When applying product always consider the ambient, surface, and product temperature at the time of installation.

COLOR AND TEXTURES:
ROCK-CRETE TR (V.2012) is manufactured in NATURAL and is able to be tinted in select colors using ROCK-TRED UNIVERAL Colorant. ROCK-TRED products are available in a wide range of optional topcoats and textures using an appropriate aggregate.

CHEMICAL RESISTANCE:
Always refer to ROCK-TRED's chemical resistant chart for specific information on each product / system or contact ROCK-TRED directly.

SURFACE PREPARATION: Always apply ROCK-TRED products to a clean / sound substrate that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be cured for a minimum of 28 days prior to application of product [except as otherwise noted on the individual Product Data Sheet]. **ROCK-CRETE TR (V.2012)** is designed for application directly to bare concrete. Mechanical preparation by means of a shot-blasting or diamond grinding machine to a minimum CSP-3 profile is the best and recommended preparation method for **ROCK-CRETE TR (V.2012)** applications. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

CLEAN UP:
Application tools and equipment can be cleaned with soap and water immediately after use or with solvent once the product has begun to cure.

DISPOSAL:
Product containers will contain product residue and must be disposed of properly. Label warnings must be observed at all times. All containers must be disposed in accordance with federal, state, and local regulations.

PRODUCT STORAGE:
DO NOT allow ROCK-TRED products to freeze. All ROCK-TRED products should be properly stored above the floor on pallets or shelves, and in an area that has a constant minimum temperature of 50^0 F.

IMPORTANT NOTICE:
Always read and acquaint yourself with ROCK-TRED's Product Data Sheet, MSDS [material safety data sheet], and product labels for each individual product prior to mixing and prior to use. For further assistance, product questions, additional information and/or unexpected or unusual installation conditions – contact your Area Sales Representative or ROCK-TRED directly for recommendations. Kit components are pre-measured for optimal performance. Catalyzation errors due to incorrect mixing in the field voids product warranty.

WARRANTY:

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 make your own tests to determine suitability of the product for the particular purpose. As products are often applied or used under conditions beyond our control, ROCK-TRED cannot guarantee anything except the quality of its products. ROCK-TRED warrants that the products meet the specifications set forth by ROCK-TRED, but we reserve the right to change any given specification prior to 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 a ROCK-TRED product constitutes acceptance of the terms of this limited warranty and the terms and conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of the 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(s) 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 circumstance, be liable for special, incidental, or consequential damages. This warranty supersedes all other guarantees, 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 that may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.