

TECHNICAL DATA
ROCK-CRETE TR

TROWEL - URETHANE MORTAR FLOORING SYSTEM

DESCRIPTION :

ROCK-CRETE TR is a trowel applied urethane mortar floor system that has an expansion coefficient similar to that of concrete. Its unique chemistry makes it the best choice for areas that experience extreme thermal-shock and exposure to elevated wet and dry temperatures. **ROCK-CRETE TR** contains zero VOC's, resists caustics, organic and inorganic acids, and many other harsh chemicals. **ROCK-CRETE TR** meets all of the USDA guidelines for use in federally inspected facilities and is available with an anti-microbial.

USES :

ROCK-CRETE TR provides the highest level of performance in meat, dairy and beverage plants, industrial kitchens or any area that is exposed to elevated wet and dry temperatures and thermal shock. **(For cooler temperature applications, below 50° F, add Rock-Crete Accelerator Part 'D' @ 1 bottle [1 oz.] per kit)**

TYPICAL COVERAGE :

ROCK-CRETE TR should be applied at 1/4" [minimum] thickness as a mortar - one kit will cover approximately 52 sq. ft. @ 1/4" thickness. Broadcast aggregate and a finish coat can be utilized to improve cleaning and slip-resistance. It can be top coated with Rock-Crete Dressing but for better UV stability use Novo-Poxi or Chem-Thane P-100.

ADVANTAGES :

- Resists thermal shock
- Chemical resistant
- Permanent protection
- Odorless / solvent-free
- Abrasion resistant
- '0' VOC

TYPICAL PROPERTIES :

APPLICATION PROPERTIES	
Mix design	1.85 GAL - Part A to Part B to Part C (Resin, Hardener, AND Aggregate) Part C 'TR' = 2- 45 lb. bags of TR Aggregate
Viscosity (mixed)	520 CPS Typical [liquid]
Solids Content (%)	95%(ASTM D-2697)
Hardness (ASTM D-2240)	80-90 (Shore D)
VOC	0 g/l (EPA method 24)
Application Temps.	50° – 70° F (10° – 21° C)
Working time	25 minutes @ 75° F (24° C)
Recoat time	4-6 hours @ 75° F (24° C)
'Open' to foot traffic	6-8 hours @ 75° F (24° C)
'Open' to vehicle traffic	12-16 hours @ 75° F (24° C)
Shelf Life	1 Year in unopened units

For physical properties on this product, refer to ROCK-TRED's Data Chart

PACKAGING :

One Kit of Rock-Crete 'TR' Consists of :

- 1.85 Gallon Units of liquid – Part A & Part B
- Part C = 2 each - 45 lb bags of TR aggregate
(For cooler temperature applications, below 50° F, add Rock-Crete Accelerator Part 'D')

ROCK-CRETE TR

LIMITATIONS & FOR BEST RESULTS :

- **ROCK-CRETE TR** liquids **WILL NOT** cure properly without the Part C - TR Aggregate added.
- Do not thin this product.
- Do not apply when Humidity exceeds 70% indoors.
- When re-coating, always apply the next coat within 12 hours of completing the previous coat.
- Do not apply this product thinner than the minimum recommended spread rate / mil thickness.
- As an Aromatic Urethane this product does not have good color stability.

PRODUCT APPLICATION :

Apply by screed rake and steel trowel. ROCK-TRED product test data is based on environmental temperatures of 75⁰ F (24⁰ 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 installation.**

COLOR AND TEXTURES :

ROCK-CRETE TR is available in Gray, Tile Red, and Cream [Natural] solid colors. **ROCK-CRETE** is available in a wide range of 'optional' textures by adding a topcoat with an appropriate S/L aggregate.

CHEMICAL RESISTANCE :

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

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 50⁰ F (10⁰ C).

SURFACE PREPARTION : 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]. Whenever possible, remove existing coatings and/or flooring systems completely; if complete removal is unavoidable always perform tests to determine adhesion and compatibility to the existing substrate. Surface preparation by means of a shot-blasting machine is the best and recommended method for attaining the desired profile. 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.

IMPORTANT NOTICE :

Always read and acquaint yourself with ROCK-TRED'S Product Data Sheet, MSDS [material safety data sheet], **INSTALLATION GUIDE**, 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 local representative or ROCK-TRED directly for recommendations.

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 circumstances, be liable for special, incidental, or consequential damages. This warranty supersedes 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 that may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.