

# CHEM-ROCK DTM

**HIGH SOLIDS AMINE ADDUCT CURED EPOXY MASTIC PRIMER/COATING**

TECH DATA SHEET CHEM-ROCK DTM

**DESCRIPTION:**

**CHEM-ROCK DTM** is a high solids, 2-component, chemical resistant amine adduct cured epoxy mastic primer/finish coating formulated to provide chemical resistance and superior adhesion to a variety of substrates. **CHEM-ROCK DTM** is designed to bond to marginally prepared steel, concrete, fiberglass and galvanized metal. Accepted for use in USDA/FDA inspected facilities.

**USES:**

**CHEM-ROCK DTM** can be used as a direct to metal primer or as a finish coating to provide high corrosion and chemical resistance for steel structures in marine or industrial environments. **CHEM-ROCK DTM** can also be used as a tank lining primer and finish coat inside tanks holding fresh or chlorinated water, waste water, gasoline, crude oil, etc.

**TYPICAL COVERAGE:**

**CHEM-ROCK DTM** is typically applied at 200 square feet per gallon per coat depending upon substrate and project requirements.

**ADVANTAGES:**

- Excellent adhesion even to marginally prepared steel with tight rust/sharp edges
- Manufactured in limited Standard ROCK-TRED colors, but available in most ROCK-TRED colors with lead time
- Cures to a tight film with low permeability
- Easy mix ratio
- Excellent abrasion resistance
- Long pot life for easy dip and roll or spray applications
- High solids
- Contains rust inhibiting Micaous Iron Oxide
- Outperforms standard DTM epoxies in resistance to chemicals and undercutting

**TYPICAL PROPERTIES:**

PHYSICAL PROPERTIES	
Volume mix ratio	4 to 1 (Resin to Hardener)
Viscosity (mixed)	1300-1450 CPS Typical
Solids Content (%)	82% +/-3% (ASTM D-2697)
VOC	161 g/l (EPA method 24)
Hardness (ASTM D-2240)	70-75 (Shore D)
Application Temps.	50° – 90° F
Gel Time	3 – 4 hours @ 75° F
Dry to Touch (recoat with similar product)	8 hours @ 75° F
Through Cure	72-96 hours @ 75° F
Open for Light Traffic	72 hours @ 75° F
Ready for immersion service	7 days at 75°F
Shelf Life	1 Year in unopened units

**PACKAGING:**

- One gallon units of Dark Gray C-02 typically stocked with other colors and 5 gallon units available as special orders.

# CHEM-ROCK DTM

## LIMITATIONS & FOR BEST RESULTS:

- Can be thinned with up to 20% MEK for easier spraying.
- Do not apply when Humidity exceeds 70% indoors.
- Allow each coat to dry to 'tack-free' prior to re-coat.
- When re-coating, always apply the next coat within 24 hours of completing the previous coat.
- This product is batched to order and often requires 7-10 days lead time.

## PRODUCT APPLICATION:

Apply by brush and roller or airless sprayer. ROCK-TRED product test data is based on environmental temperatures of 75°F. 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 and place of installation.

## COLOR AND TEXTURES:

CHEM-ROCK DTM is manufactured in White, Light Gray and Dark Gray. Most other ROCK-TRED Standard Colors and some specialty colors are available at additional cost with additional lead time and minimum order quantities. Most ROCK-TRED products are available in a wide range of textures using an appropriate aggregate.

## CHEMICAL RESISTANCE:

Always refer to ROCK-TRED's chemical resistance chart for specific information on this 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 50°F.

**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]. Whenever possible, remove existing coating systems completely; if complete removal is not possible dull the finish by sanding and always perform tests to determine adhesion and compatibility to the existing substrate. Rusted metal must be prepared to a minimum SSPC-SP2 profile. When applying to galvanized metal a SSPC-SP7 brush blast is recommended. Whenever possible abrasive blasting of metal substrates is preferred. Mechanical preparation by means of a shot-blasting or diamond grinding machine to a minimum CSP-2 profile is the best and recommended preparation method for concrete substrate 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 must be cleaned immediately after use with solvent such as Xylene or MEK.

## 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, SDS [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 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 Safety Data Sheet and follow all precautions to prevent bodily harm.