ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

TECHNICAL DATA

RT SERIES 231

CHEM-ROCK DTM

HIGH SOLIDS AMINE ADDUCT CURED EPOXY MASTIC PRIMER/COATING

DESCRIPTION:

CHEM-ROCK DTM is a high solids, 2-component, chemical resistant amine adduct cured epoxy mastic primer/finish coating. It is 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. It meets USDA/FDA guidelines for use in federally inspected facilities and all VOC/HAPS regulations for use throughout the United States.

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
- Stocked in C-02 Dark Gray and available in most Standard ROCK-TRED colors with lead time
- Cures to a tight film with low permeability
- Easy application by brush, roller or spray
- Excellent abrasion resistance
- Long pot life for easy dip and roll or spray applications
- 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	Compliant with all US Regulations
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.

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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.
- There will be solvent odors during application and curing. Indirect airflow is recommended.

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 stocked in C-02 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). Concrete substrates should be treated with ICP's Arizona Polymer Flooring System's Vapor Solve System when moisture testing per ASTM F2170 shows results over 80% RH. 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.