

CHEM-THANE 509

55% SOLIDS POLYESTER / POLYURETHANE

DESCRIPTION :

CHEM-THANE 509 is a 2-component, 55 % solids 'water-clear', polyester aliphatic polyurethane. This high-performance CRU produces a high gloss finish and offers high light reflectivity, is non-chalking, and has superior UV resistance. **CHEM-THANE 509** provides superior protection from many chemicals and has excellent abrasion resistance.

USES :

CHEM-THANE 509 is ideal for interior or exterior applications for floors or walls. It is the preferred finish coat where color stability is important and where some odor can be tolerated.

TYPICAL COVERAGE:

CHEM-THANE 509 should be applied at a minimum spread rate of 350 sq. ft. / gal. (4.5 mils WFT / 2.5 mils DFT). Available in clear and "Factory" pigmented White, Buff, Fawn Beige, and Russett colors only.

- Superior UV resistance
- Excellent gloss
- Scratch resistant
- 2:1 mix ratio
- Light reflective
- High chemical resistance

ADVANTAGES :

TYPICAL PROPERTIES :

APPLICATION PROPERTIES	
Volume mix ratio	2 to 1 (Resin to Hardener)
Viscosity (mixed)	150 CPS Typical
Solids Content (%)	55 % (ASTM D-2697)
Hardness	55-65 (Shore D) – 100 (Shore A)
VOC	389 g/l EPA method 24)
Application Temps.	55 ^o – 85 ^o F (13 ^o – 29 ^o C)
Working time	60 minutes @ 75 ^o F (24 ^o C)
Recoat time	12 hours (min.) @ 75 ^o F (24 ^o C)
'Open' to foot traffic	18 hours @ 75 ^o F (24 ^o C)
'Open' to vehicle traffic	24+ hours @ 75 ^o F (24 ^o C)
Shelf Life	1 Year in unopened containers

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

PACKAGING :

- 1.5 Gallon Units (5.7 L) – 2-1 gal. cans
- 15 Gallon Units (57 L) – in 3-5 gal. pails [clear only]

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LIMITATIONS & FOR BEST RESULTS :

- Do not thin this product.
- Do not apply when Humidity exceeds 70% indoors.
- Do not allow to puddle during application.
- Allow each coat to dry to 'tack-free' or clear prior to re-coat.
- When re-coating, always apply the next coat within 24 hours of completing the previous coat.
- Do not apply this product heavier / thicker than the recommended spread rate / mil thickness.

PRODUCT APPLICATION :

Apply using brush and roller. 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 and place of installation.**

COLOR AND TEXTURES :

CHEM-THANE 509 is available in clear or select "factory" pigmented colors – White, Buff, Fawn Beige, & Russett. 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 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 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], 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.