

CHEM-THANE WB MATTE V.2014

WATER-BASED ALIPHATIC POLYURETHANE HIGH PERFORMANCE FINISH COAT

DESCRIPTION:

CHEM-THANE WB MATTE V.2014 is a water clear, two-component, water-based aliphatic polyurethane. This unique non-yellowing polyurethane coating produces an exceptionally hard matte finish with high level abrasion and stain resistance. **CHEM-THANE WB MATTE V.2014** remains non-chalking, has superior UV resistance, provides excellent long-lasting protection from many chemicals and offers superior wear through durability while producing no strong odors during application or curing.

USES:

CHEM-THANE WB MATTE V.2014 is an ideal protective finish coat for ROCK-TRED's standard and decorative floor and wall systems. It's hard finish and very high abrasion resistance makes **CHEM-THANE WB MATTE V.2014** an excellent and low reflectivity finish coat across industries such as pharmaceutical, healthcare, warehousing and manufacturing. This water based product is easy to apply, environmentally safe and meets all USDA/FDA guidelines for installation in federally inspected facilities.

TYPICAL COVERAGE:

CHEM-THANE WB MATTE V.2014 is typically applied at 500-600 square feet per gallon.

ADVANTAGES:

- Superior UV resistance
- Non-streak application
- Excellent scratch, stain and abrasion resistance
- High coverage rate
- Exceptional adhesion
- Low light reflectivity
- VOC compliant with virtually no odor

TYPICAL PROPERTIES:

PHYSICAL PROPERTIES	
Volume mix ratio	Mix Complete Kits
Viscosity (mixed)	700 - 900 CPS Typical
Solids Content (%)	49% (ASTM D-2697)
Hardness	70 (Shore D)
Stain Resistance	7.71* (ASTM D6578-08) *See ASTM Report
VOC	2.4 g/l EPA method 24)
Application Temps.	60 ^o – 85 ^o F
Gel time	45 minutes @ 75 ^o F
Dry to Touch (recoat with compatible products)	1 – 1.5 hours @ 75 ^o F
Through Cure	3.5 – 5.5 hours @ 75 ^o F
Open for light traffic/use	12 hours (min.) @ 75 ^o F
Shelf Life	6 months in unopened containers

PACKAGING:

- 1 Gallon Units

TECH DATASHEET CHEM-THANE WB MATTE V. 2014

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LIMITATIONS & FOR BEST RESULTS:

- Do not apply when Humidity exceeds 70% or when the substrate temperature is 5°F above dew point and falling.
- Allow each coat to dry to completely prior to re-coat.
- If applying a 2nd coat, the first coat of **CHEM-THANE WB MATTE V.2014** must be lightly sanded to promote inter-coat adhesion and the 2nd coat must be applied within 24 hours of completing the previous coat.
- Do not apply this product heavier / thicker than the recommended spread rate / mil thickness or foaming, discoloration or loss of MATTE finish may occur.
- Do not split kits - full unit mixing is very critical to product performance.
- Do not entrain air when mixing.
- Do not thin with water or solvent.
- Due to low light reflectivity a clear matte finish will produce a noticeable color shift when applied over a colored base coating.
- May be applied directly to prepared concrete, but an appropriate ROCK-TRED Primer is recommended.
- Take extra care to apply uniformly over dark colored base systems to avoid roller marks or sheen differences in the finish. These same slight sheen differences will not be perceptible over light colored base systems. For difficult installations over dark colored base systems where there is no tolerance for even slight sheen differences using CHEM-THANE 509 Satin, CHEM-THANE WB GLOSS or SATIN instead of CHEM-THANE WB MATTE V.2014 is advised.

PRODUCT APPLICATION:

Apply via dip and roll in one direction using a 5/16" microfiber roller cover. After initial roll strike off the finish with a light, single direction final back roll. Vertical applications may be made via airless sprayer and back rolling (contact ROCK-TRED for more information on spray applications). ROCK-TRED product test data is based on temperatures of 75°F. Viscosity and working time are affected by temperatures – always consider the ambient, surface, and product temperature at the time and place of installation.

COLOR AND TEXTURES:

CHEM-THANE WB MATTE V.2014 is only manufactured in clear and is not recommended for tinting with ROCK-TRED Universal Colorants. Most ROCK-TRED products are available in a wide range of textures using an appropriate broadcast aggregate, but larger aggregate may not remain into thin coats of **CHEM-THANE WB MATTE V.2014**. Approximately 1.42 pounds of ROCK-TRED's 240 grit Aluminum Oxide powder may be added into 1 gallon of **CHEM-THANE WB MATTE V.2014** at the time of mixing to increase abrasion resistance and the cured coating's coefficient of friction. Adding AO powder will require the coating to be repeatedly stirred during application to avoid settling and then careful and

even application to avoid roller marks.

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 coatings and/or flooring systems completely; if complete removal is not possible always perform tests to determine adhesion and compatibility to the existing flooring. Mechanical preparation by means of a diamond grinding machine to a minimum CSP-2 profile followed by application of an appropriate ROCK-TRED primer or base system is the best and recommended installation method for **CHEM-THANE WB MATTE V.2014** but this coating may be applied directly to the prepared concrete. 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.

CHEMICAL RESISTANCE:

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

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 Technical 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 local 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 Safety Data Sheet and follow all precautions to prevent bodily harm.