ROCK TRED
POLYMER COATING SOLUTIONS
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Polymer Solutions since 1939

TECHNICAL DATA

CHEM-THANE WB GLOSS V.2013

WATER-BASED ALIPHATIC POLYURETHANE HIGH PERFORMANCE FINISH COAT

DESCRIPTION:

CHEM-THANE WB GLOSS V.2013 is a water clear, two-component, water-based aliphatic polyurethane. This unique non-yellowing polyurethane coating produces an exceptionally hard high gloss finish with high level abrasion and stain resistance. **CHEM-THANE WB GLOSS V.2013** 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 GLOSS V.2013 is an ideal protective finish coat for ROCK-TRED's standard and decorative floor and wall systems. Its high level stain and abrasion resistance makes **CHEM-THANE WB GLOSS V.2013** an excellent finish coat across industries such as pharmaceutical, healthcare, warehousing and manufacturing as well as for use as an anti-graffiti coating. 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 GLOSS V.2013 is typically applied at 450-500 square feet per gallon.

ADVANTAGES:

- Superior UV resistance
- Excellent gloss retention
- Excellent scratch / abrasion resistance
- High coverage rate
- Excellent stain resistance
- High light reflectivity
- VOC compliant with virtually no odor
- Exceptional adhesion

TYPICAL PROPERTIES:

PHYSICAL PROPERTIES	
Volume mix ratio	1.83 : 1 (Resin to Hardener)
Viscosity (mixed)	200-300 CPS Typical
Solids Content (%)	27% (ASTM D-2697)
Hardness	70 (Shore D)
Stain Resistance	8.0* (ASTM D6578-08) *See ASTM Report
VOC	11.18 g/l EPA method 24)
Application Temps.	60^0 – 85^0 F (13^0 – 29^0 C)
Gel time	45 minutes @ 75^0 F
Dry to Touch (recoat with compatible products)	2-3 hours (min.) @ 75^0 F (24^0 C)
Through Cure	4-6 hours @ 75^0 F (24^0 C)
Open for light traffic/use	12 hours (min.) @ 75^0 F (24^0 C)
Shelf Life	6 months in unopened containers

PACKAGING:

- 1 Gallon Units

CHEM-THANE WB GLOSS V. 2013

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 GLOSS V.2013** must be lightly sanded to promote inter coat adhesion and the 2nd coat must be applied within 24 hours of completing the previous coat.
- May be applied directly to prepared concrete, but an appropriate ROCK-TRED Primer is recommended.
- Do not apply this product heavier / thicker than the recommended spread rate / mil thickness or foaming or discoloration 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.

PRODUCT APPLICATION:
Apply via dip and roll using a 5/16" microfiber roller. 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 GLOSS V.2013 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-ROCK WB GLOSS V.2013**. Adding 240 grit Aluminum Oxide powder is not recommended with this urethane product as a streak free finish is very difficult to attain. For applications requiring 240 grit Aluminum Oxide Powder for increased abrasion resistance or a higher coefficient of friction please refer to instructions on the **CHEM-ROCK WB MATTE V.2013** technical data sheet.

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 GLOSS V.2013**, 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.