

CHEM-ROCK LT-45 V.2015

HIGH SOLIDS EPOXY LOW TEMPERATURE / FAST CURE SELF-PRIMING BODY OR TOPCOAT

DESCRIPTION:

CHEM-ROCK LT-45 is a high solids, low odor, clear (light straw color), 2-component 80% solids epoxy coating formulated for application at lower temperatures or as a fast curing product when applied above 55°F. **CHEM-ROCK LT-45** has good resistance to most common chemicals, is VOC/HAPS compliant and meets USDA/FDA guidelines for use in federally-inspected facilities.

USES:

CHEM-ROCK LT-45 can be applied at temperatures down to 45°F or can be used as a FAST CURE epoxy coating at higher ambient /surface temperatures. It can be applied as a fast curing primer, as an aggregate filled self-leveling coat, as a broadcast coat or as a solid color industrial finish coat.

TYPICAL COVERAGE:

CHEM-ROCK LT-45 is typically applied between 60-150 square feet per gallon per coat depending upon substrate and project requirements.

ADVANTAGES:

- Reformulated in 2015 for better flow, leveling and clarity
- Hard and durable, high gloss industrial finish coating
- Cures down to 45°F and cures rapidly above 55°F
- VOC compliant throughout U.S. and low odor
- Good abrasion and chemical resistance
- Excellent gloss retention and above average color stability

TYPICAL PROPERTIES:

PHYSICAL PROPERTIES	
Volume mix ratio	2 to 1 (Resin to Hardener)
Viscosity (mixed)	750 – 900 CPS Typical
Solids Content (%)	80% (ASTM D-2697)
Hardness (ASTM D-2240)	75-80 (Shore D)
VOC	47 g/l (EPA method 24)
Application Temps.	45° – 75°F
Gel Time	15 minutes @ 75° F
Dry to Touch (recoat with compatible products)	1 - 3 hours @ 75°F 4.5 hours @ 45°F
Through Cure	2.5 – 5 hours @ 75°F 13.5 hours @ 45°F
Open for light traffic	24 hours @ 75°F
Shelf Life	1 Year in unopened units

PACKAGING:

- 1.5 Gallon BAG-PAK™ Unit in a single pail
- 3 Gallon BAG-PAK™ Unit in a single pail
- 15 Gallon Unit in three 5 gallon pails
- 165 Gallon Bulk Unit in three 55 gallon drums

TECH DATA SHEET CHEM-ROCK LT-45 V.2015

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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' prior to re-coat.
- When re-coating, always apply the next coat within 24 hours of completing the previous coat.
- When applying at temperatures below 55°F it is best to "condition" the unopened buckets of material for several hours at the installation temperature prior to applying.
- Whenever applying epoxy coatings in low temperature areas the likelihood of a blush reaction increases. We recommend broadcasting aggregate to rejection into the coating to help prevent blush. When applying the coating neat always check for blush prior to recoating.

PRODUCT APPLICATION:

Apply using brush, roller and squeegee ROCK-TRED product test data is based on environmental temperatures of 75°F (24°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-ROCK LT-45 is manufactured in clear (light straw color) and can be field pigmented using ROCK-TRED colorants. 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 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 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 shot-blasting or 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-ROCK LT-45** 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 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 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 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 all warranties.

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 chemical chemicals that may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.