

A Vertical Grade Epoxy Block Filler and Wall Coating System

DESCRIPTION:

Coating CMU (concrete masonry units) can be a tough chore if you don't first fill the pores in the concrete block. Our 100% solids epoxy CHEM-WALL WC E2 System combines high viscosity epoxy block filler and a cycloaliphatic cured epoxy finish coat. This system produces fully sealed, pin hole free, extremely durable wall/ceiling coating system for a variety of environments.

RECOMMENDED USES:

The CHEM-WALL WC E2 System is specified for use as a high performance, non-porous, solid color wall and ceiling coating system. It is intended as a durable coating system for use on walls and ceilings in commercial, institutional or residential spaces where a sealed, cleanable, seamless, low maintenance finish is required. Typical applications include the vertical and overhead substrates in wash down areas, food and beverage processing plants, restaurants, medical/healthcare/animal care facilities, wet processing areas, locker rooms, restrooms and showers.

SYSTEM FEATURES:

- 100% solids, very low odor and VOC compliant
- Available in all ROCK-TRED Standard Colors
- Good chemical and abrasion resistance
- Cycloaliphatic chemistry of CHEM-WALL SEALER provides excellent color and gloss retention over time
- Easy to clean and maintain
- USDA / FDA accepted for use in food retail locations
- Gloss, orange peel finish is standard, but can be varied using different finish coats
- Able to be conventionally applied via dip and roll or airless spray applied on larger jobs

BASIC SYSTEM INSTALLATION STEPS:

1. Prepare substrate according to ROCK-TRED's Surface Preparation Guide. For new, unfilled CMU the substrate must be clean, dry and the mortar should be allowed to cure for at least 28 days. For previously coated CMU a minimum surface profile of CSP-2 is recommended and the use of an appropriate ROCK-TRED primer is required (see Page 2).
2. Mix and apply the base coat application of CHEM-WALL BLOCK FILLER tinted in a solid color. Application of this base coat should be at approximately 14-15 mils. Whether applying via conventional dip and roll or via airless spray the



base coat must be back rolled and worked into the block's pores with a 1/2" roller by applying pressure while rolling.

3. After the base coat of CHEM-WALL BLOCK FILLER is at least tacky the second coat may be applied. This second coat should be tinted and may be applied over the still wet CHEM-WALL BLOCK FILLER. Application of the second coat should be made at approximately 10-12 mils and should again be back rolled using either a 1/2" or 3/8" nap roller. Less roller pressure is needed on the second coat as the pores should be nearly filled after the first coat.
4. After the second coat of CHEM-WALL BLOCK FILLER is dry make any required repairs or fill the CMU mortar joints if desired using appropriate ROCK-TRED repair materials. ROCK-TRED's RQP 100% solids epoxy repair paste is recommended to repair fine cracks, small holes and voids prior to a finish coat application. For a parge coat to smooth out the mortar joints in CMU a repair paste can be made using CHEM-WALL BLOCK FILLER, ROCK-TRED Universal Colorant and Cabosil. This repair paste can be applied using trowels or taping knives and then sanded to yield a smooth wall surface ready for a finish coating.
5. After required repairs are dry, sanded and vacuumed a finish coat of CHEM-WALL SEALER is applied in a solid color. CHEM-WALL SEALER can also be applied via conventional dip and roll or via airless spray and back roll. Application should be made at approximately 8 mils. For added durability a second 8 mil application of CHEM-WALL SEALER can be applied after the first coat is dry.
6. *Optional:* For added durability, scratch/scuff resistance and cleanability a high performance topcoat from ROCK-TRED's CHEM-THANE line may be applied according to the specific product guidelines.

CHEM-WALL WC E2 SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- For application over previously filled CMU CHEM-ROCK PRIMER should be applied to the prepared CMU at 8-10 mils in clear via dip and back roll or airless spray and back roll. When installing over filled CMU the second coat of CHEM-WALL BLOCK FILLER is often unneeded.
- When applying over virgin, unfilled CMU, CHEM-WALL BLOCK FILLER is to be applied in two successive coats directly to seal the pores and a primer is not required.
- CHEM-WALL SEALER for finish coat(s). *Please note that CHEM-WALL SEALER is manufactured as a white color base material for optimum vertical hide. ROCK-TRED Standard Colors will cure to a lighter shade when used with CHEM-WALL SEALER. Do not increase the colorant loading beyond the recommended rates.*
- ROCK-TRED Universal Colorant.

OPTIONAL SYSTEM COMPONENT PRODUCTS:

- CHEM-THANE WBP Gloss or Low Luster, CHEM-THANE 509 Gloss or Satin, CHEM-THANE P-50 or P-100 may be applied to provide additional abrasion, chemical and UV resistance as required.
- Patching to non-moving joints, cracks, spalls, tooled mortar joints and damaged surface areas of CMU can be completed using ROCK-TRED's RQP rapid set 100% solids epoxy patching compound or by thickening CHEM-WALL BLOCK FILLER with Cabosil and applying via trowel or drywall knife.
- For higher level chemical and heat resistance ROCK-TRED's NOVO-POXI may be substituted for the CHEM-WALL SEALER finish coats. Contact your ROCK-TRED Representative or the corporate office for assistance in determining if NOVO-POXI is needed for your job.

FOR BEST RESULTS:

- Recommended for Interior Use Only unless additional finish coatings of solid color CHEM-THANE P-50/P-100 or CHEM-THANE 509 are included.
- New concrete must cure for at least 28 days @ 70°F. All new grout/mortar should cure for at least 14 days prior to application.
- DO NOT thin the polymer products.

- DO NOT apply when humidity exceeds 70% indoors.
- DO NOT allow material to puddle during application.
- Allow each coat to dry tack-free or clear before recoating. Exception being the base coat of CHEM-WALL BLOCK FILLER.
- Apply each coat within 24 hours of previous coat.
- DO NOT apply to structurally unsound surfaces.
- Remove all surface oil and/or grease
- Mix full kits of resin/hardener only. Kit components are pre-measured for optimal performance. Catalyzation errors due to mis-mixing in the field voids product warranty.

SURFACE PREPARATION:

The substrate must be clean, dry and sound with new mortar cured for at least 28 days at 70°F. Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. If the CMU has been previously filled create a surface profile on the substrate by either abrasive blasting or diamond grinding to a minimum CSP-2 profile. For additional preparation information refer to ROCK-TRED'S Surface Preparation Guide.

Review ROCK-TRED'S Safety Data Sheets (SDS), labels and individual technical data sheets for the component products prior to mixing and applying.

ADDITIONAL REFERENCE MATERIAL:

CHEM-WALL WC E2 System AIA Specification
Component Tech Data Sheets
Component Material Safety Data Sheets
ROCK-TRED's Floor/Wall Maintenance Instructions

MAINTENANCE:

For optimal floor/wall appearance and performance following installation, refer to ROCK-TRED's Floor and Wall Maintenance Instructions.

CUSTOMER NOTE:

For information on application situations not covered above, contact your local ROCK-TRED Representative or the corporate office at 888-ROCK-TRED.

WARRANTY STATEMENT:

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 will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, ROCK-TRED cannot guarantee anything but the quality of its products. ROCK-TRED warrants that its products meet the specifications set forth by ROCK-TRED, but we reserve the right to change any given specification without prior 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 ROCK-TRED products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of 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 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 which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.
