

## Embedding Specialized Printed Graphics Into a ROCK-TRED Floor or Wall System

### **DESCRIPTION:**

Photo-Floor & Wall can be used with nearly any ROCK-TRED system to cover an entire area in polymer encapsulated custom graphics or to permanently place logos or signage. Any digital image with good resolution can be printed on the special Photo-Floor fabric and then laminated into ROCK-TRED water clear polymer coatings.

### **RECOMMENDED USES:**

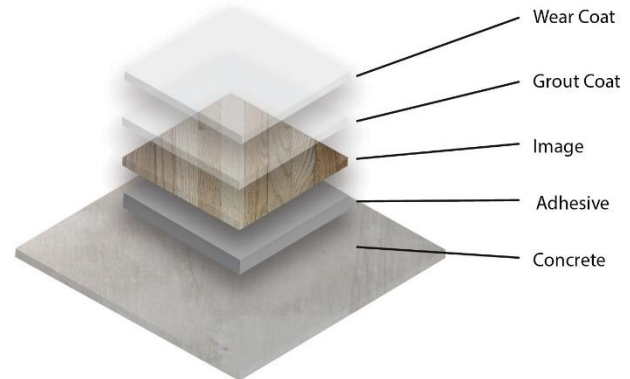
The Photo-Floor & Wall System can be specified for use as a standalone high-performance flooring system or can be used over other ROCK-TRED Systems. Nearly any ROCK-TRED System can be used as the base allowing for a wide range of service environments including residential, commercial and industrial settings. Typical application areas include retail stores, showrooms, schools, factories, warehouses, healthcare corridors, residential or commercial or municipal parking garages and anywhere that permanent logos and signage are required.

### **SYSTEM FEATURES:**

- Unlimited array of images can be used – any digital picture can be turned into a Photo-Floor Graphic. Limitations are only set by the resolution of the source image.
- Unlimited finished Graphic sizes are available. Can be printed up to 10' wide and 180' long. Images wider than 10' can be divided into multiple runs and trimmed to fit together seamlessly.
- Photo-Floor Graphics are much simpler and more time efficient to install and produce finer detail than stenciled logos.
- The finely perforated fabric design allows the basecoat and the topcoat to be applied wet on wet and chemically bond the Graphic in between. Unlike vinyl or other self-adhering styles of graphics the Photo-Floor Graphic becomes truly bonded into the System.

### **BASIC SYSTEM INSTALLATION STEPS:**

1. Prepare substrate according to ROCK-TRED's Surface Preparation Guide. A minimum surface profile of CSP-2 is recommended.
2. Perform any necessary substrate patching using approved ROCK-TRED materials.



3. Apply base ROCK-TRED System to floor or wall.
4. Finish the area to be covered with the PHOTO-FLOOR Graphic with a smooth coating in a solid color that will provide a complimentary background color for the graphic.
5. For a Graphic installation on floor:
  - a. After the solid color coating is cured apply a clear Adhesive base coat at 10-12 mils WFT such as CHEM-THANE P-50, P-80 or P-100, CHEM-ROCK LV-UV or CHEM-ROCK LV. Immediately embed the Graphic into the wet coating and smooth it out using tools such as plastic trowels, squeegees and loop rollers. Once the Graphic is positioned correctly apply a 10-12 mil WFT grout coat using the same clear material used for the clear Adhesive coat. It is not necessary to wait for the Adhesive coat to dry before applying the Grout coat, but if desired you can wait up to 24 hours to apply the Grout coat.
6. For a Graphic installation on a wall:
  - a. After the solid color coating is cured apply a clear Adhesive base coat at 10-12 mils WFT using CHEM-ROCK HV. Immediately embed the Graphic into the wet coating and smooth it out using tools such as plastic trowels, squeegees and loop rollers. Once the Graphic is positioned correctly apply TWO successive 8-10 mil WFT grout coats of CHEM-ROCK HV. Typically, one Grout coat is insufficient to evenly encapsulate the Graphic without having coating runs, but it is possible. It is not necessary to wait for the Adhesive coat to dry before applying the first Grout coat, but if desired you can wait up to 24 hours to apply the Grout coat. Its recommended to wait for the first Grout coat to dry prior to installing the second.

# CHEM-ROCK BROADCAST SYSTEM DATA SHEET

7. After the Grout coat is sufficiently cured a high-performance finish coat such as CHEM-THANE P-50, P-80 or P-100 or CHEM-THANE 509 Gloss or CHEM-THANE WBP Gloss is recommended for the best scratch/scuff performance.

## SYSTEM COMPONENT PRODUCTS:

- CHEM-THANE P-50, P-80 or P-100, CHEM-ROCK LV-UV, CHEM-ROCK LV or CHEM-ROCK HV (for vertical installations) for Adhesive and Grout coats.
- CHEM-THANE P-50, P-80 or P-100, CHEM-THANE WBP Gloss or CHEM-THANE 509 Gloss for abrasion resistant finish coat.

## OPTIONAL SYSTEM COMPONENT PRODUCTS:

- If need is indicated through proper ASTM testing, or as a precaution, ICP's Arizona Polymer Flooring's VaporSolve System can be applied directly to the concrete prior to the primer coat to mitigate moisture vapor transmission.
- Pre-patching to non-moving joints, cracks, spalls or eroded areas of concrete can be completed using ROCK-TRED's Poxi-Rock Flooring Mortar, Crack N Patch Kits, ROCK-MENDER or RQP rapid set patching compound.
- If the concrete substrate is less than 5 years old, or there is evidence of minor movement along the control joints, control joints through the FLOOR-ESSENCE Metallic System should be installed. After cutting, the joints can be filled with ROCK-TRED's ELASTI-POXI JOINT FILL permanently flexible sealed joints.

## FOR BEST RESULTS:

- Recommended for Interior Use Only unless all coatings used are CHEM-THANE P-50, P-80 or P-100 polyaspartic.
- New concrete must cure for at least 28 days @ 70°F and have an effective moisture vapor barrier in place.
- DO NOT thin the polymer products except as indicated on the individual Technical Data Sheets.
- 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 except the Adhesive and Grout coat which may be applied wet on wet.

- 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. New concrete should be cured for at least 28 days @ 70°F and have an effective moisture vapor barrier in place. If the concrete is too new, and/or when moisture testing per ASTM F2170 shows results over 80% RH, the substrate should be treated with ICP's Arizona Polymer Flooring System's Vapor Solve System per specifications. Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials and any previously applied potentially incompatible coatings. Create a surface profile on the substrate by either steel shot blasting or diamond grinding to a minimum CSP-2 profile. For additional floor 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:

ROCK-TRED PHOTO-FLOOR & WALL AIA Specification  
Component Tech Data Sheets  
Component Material Safety Data Sheets  
ROCK-TRED's Surface Preparation Guide  
ROCK-TRED's Floor Maintenance Instructions

## MAINTENANCE:

For optimal floor appearance and performance following installation, refer to ROCK-TRED's Floor 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.

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### 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 supercedes 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.

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