

DESCRIPTION:

This one day flooring system is designed with the garage floor market at its center. The self-priming broadcast coat of ROCK-PRIME HB provides the dry film thickness previously achievable only in 100% solids epoxy formulations. Broadcasting natural or decorative GRANITE-ROCK colored quartz to rejection into the high building waterborne primer creates capillaries that act as pressure release points for moisture vapor. This feature helps to reduce moisture related call backs. Using ROCK-PRIME HB as the primer/broadcast coat also maintains the system's overall low cost and rapid installation time.



RECOMMENDED USES:

The FAST-FLOOR WBEP System is specified for use as a high performance, solid color or decorative colored quartz flooring system in areas that are subjected to foot or moderate duty wheeled traffic. It can be used on floors where a low level of moisture vapor drive is present, but is too high for standard, non-breathable systems. The FAST-FLOOR WBEP System is intended as a wear resistant finish for use in commercial, industrial or residential spaces where a durable, seamless, low maintenance floor finish is desired. Typical applications include residential and commercial garages, light industrial and manufacturing applications, commercial and retail areas, etc.

SYSTEM FEATURES:

- Waterborne ROCK-PRIME HB provides the high building, breathable, low cost, self-priming broadcast coat which is the backbone of this system
- The breathable ROCK-PRIME HB coat makes this system much less susceptible to moisture vapor related failures than 100% solids, non-breathable systems.
- Able to be installed indoors or outdoors
- No VOCs and low odor
- Rapid installation time and return to service
- Excellent chemical, abrasion, impact and UV resistance
- Uniform, medium degree of anti-skid texture is standard
- Easy to Clean and Maintain
- USDA / FDA accepted for use in food retail locations
- Available in nearly infinite color choices of GRANITE-ROCK colored quartz aggregate as well as all ROCK-TRED Standard Colors except C-04 and C-05

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. We recommend using an epoxy and sand mortar mix like POXI-ROCK FLOORING MORTAR for substrate repairs under this system to allow the ROCK-PRIME HB to penetrate and bond with the patching material. Patching performed with smooth curing products like RQP, 100% solids epoxy mixed with Cabosil, etc. should either be broadcast to rejection with a quartz aggregate such as PCA322 while wet or should be diamond ground or heavily sanded after curing to allow the ROCK-PRIME HB to bond properly.
3. Mix ROCK-PRIME HB according the two stage mixing instructions found on the product label and Technical Data Sheet. Field tint in a solid color complimentary to the chosen blend of GRANITE-ROCK or in the solid color chosen for the finished system. Apply at approximately 150 sq. ft. per gallon.
4. Immediately broadcast the GRANITE-ROCK or natural quartz aggregate such as PCA322 to rejection into the wet basecoat. Consumption rate for the aggregate will be approximately ½ pound per square foot. Allow to cure and sweep off excess aggregate.
5. Apply a locking finish coat of CHEM-THANE P-50 or P-100 in clear or field tinted in a solid color. Apply at approximately 100 sq. ft. per gallon allowing a good amount of aggregate texture to remain in the finished floor. To create additional texture additional quartz or aluminum oxide may be broadcast and back rolled into the finish coat. Do not apply finish coat heavier than 16 mils or apply multiple finish coats.

FAST-FLOOR WBEP SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- Primer/Broadcast Coat: ROCK-PRIME HB pigmented in a solid color.
- GRANITE-ROCK colored quartz or natural quartz broadcast aggregate such as PCA 322.
- CHEM-THANE P-50 or P-100 for finish coat.
- ROCK-TRED Universal Colorant.

OPTIONAL SYSTEM COMPONENT PRODUCTS:

- Pre-patching to non-moving joints, cracks, spalls or eroded areas of concrete should be completed using ROCK-TRED's POXI-ROCK Flooring Mortar or Crack N Patch Kits and then over coated directly with the ROCK-PRIME HB. ROCK-MENDER, RQP or epoxy bulked with Cabosil may also be used for patching, but should be broadcast to rejection with PCA 322 aggregate or diamond ground or heavily sanded prior to over coating with ROCK-PRIME HB.
- 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 FAST-FLOOR WBEP 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:

- Only install this system with a full broadcast of GRANITE-ROCK colored quartz or natural quartz aggregate such as PCA 322. Installing the ROCK-PRIME HB without a full broadcast will not create the micro-pathways for moisture vapor to escape and also may leave a less even finished appearance.
- Do not apply the finish coat of CHEM-THANE P-50 or P-100 thicker than 16 mils. Adding CHEM-THANE P-50/P-100 Reducer during mixing will help to keep the finish coat thin.
- Do not apply multiple, non-breathable finish coats. The aggregate from the broadcast must not be buried below the finish coatings or moisture vapor will not be able to escape.
- This system will not tolerate significantly elevated levels of moisture vapor drive, but is much less susceptible to moisture vapor related failures than 100% solids, non-breathable systems. Contact your ROCK-TRED Rep or the office to discuss the specifics of your application if ASTM F1869 or ASTM F2170 testing show elevated moisture vapor emissions or substrate RH levels.
- Do not apply over existing coatings. ROCK-PRIME HB should only be applied over bare, prepared concrete.
- Follow two stage mixing directions for ROCK-PRIME HB.

- 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 unless instructed to do so on the product specific Tech Data Sheets and/or labels.
- 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.
- DO NOT overload the ROCK-TRED Universal Colorant—use recommended ½ Bag-Pak of Colorant or one 1.5 Jar of Colorant per 2.31 gallon mix of ROCK-PRIME HB.
- 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 concrete 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. 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:

FAST-FLOOR WBEP AIA Specification
Component Tech Data Sheets
Component 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.

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 warranties, 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.