

## Heavy Duty Waterproofing Traffic Membrane System

### DESCRIPTION:

Easy to install, permanently flexible, aggregate reinforced, indoor/outdoor, solid color polyurethane membrane coating system.

### RECOMMENDED USES:

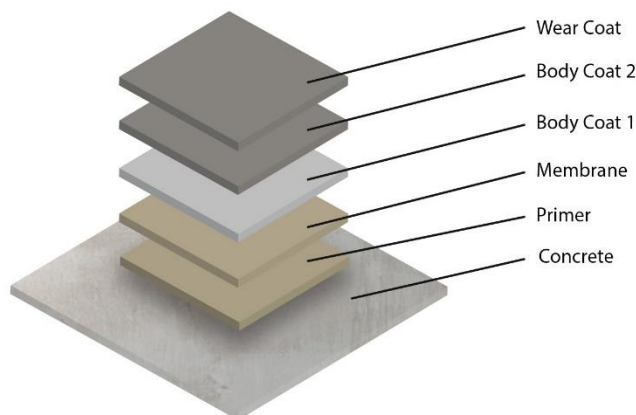
The Flex-Tred Traffic 3 System is specified for use as a high performance, solid color coating system in medium/heavy duty parking garages, decks, balconies and any area that requires a more durable, crack bridging, watertight application.

### SYSTEM FEATURES:

- Reinforced with two broadcast layers of quartz aggregate laminated between coats of flexible urethane for added durability
- High abrasion resistance with excellent wear under vehicular traffic
- Durable, non-yellowing finish coat that remains non-chalking and color stable over time with indoor or outdoor application
- System remains permanently flexible over time through season changes and thermal cycling
- True waterproofing and crack bridging functionality when installed per specifications
- Available in a wide variety of textures

### BASIC SYSTEM INSTALLATION STEPS:

1. Prepare substrate according to ROCK-TRED's Surface Preparation Guide. A minimum surface profile of CSP-2/CSP-3 is recommended.
2. Perform any necessary substrate patching using approved ROCK-TRED materials.
3. Apply appropriate primer for job site conditions. Typical ROCK-TRED primers for this system include CHEM-ROCK PRIMER/SEALER WB, POXI-ROCK PRIMER and CHEM-ROCK PRIMER.



Install at manufacturer's recommended coverage rates and back roll thoroughly to endure pinhole free finish. Install a random broadcast of PCA 322 or PCA 323 aggregate into the wet primer to promote adhesion of next coat.

4. After primer is sufficiently cured, mix and apply the membrane coat using ELASTI-THANE MEMBRANE at approximately 55 – 80 square feet per gallon.
5. After the membrane coat is dry, mix and apply the pigmented body coat ELASTI-THANE INTERMEDIATE at approximately 115 – 150 square feet per gallon.
  - a. For the typical installation, broadcast the ELASTI-THANE INTERMEDIATE to rejection using PCA 322 aggregate at ½ pounds per square foot. For a lighter duty application, the amount of aggregate broadcast may be reduced to a partial broadcast.
6. After the first body coat is dry, sweep off and discard any excess aggregate. Mix and apply a second pigmented body coat of ELASTI-THANE INTERMEDIATE at approximately 115 square feet per gallon. Immediately broadcast to rejection with PCA 322 aggregate at ½ pounds per square foot.
7. After the second body coat is dry, sweep off and discard all excess aggregate. Mix and apply the single component pigmented wear coat ELASTI-THANE TOPCOAT at approximately 115 square feet per gallon. For anti-slip texture a selected size of aluminum oxide can be broadcast and back rolled into the wear coat.

# FLEX-TRED TRAFFIC 3 SYSTEM DATA SHEET

## SYSTEM COMPONENT PRODUCTS:

- Primer: CHEM-ROCK PRIMER/SEALER WB, POXI-ROCK PRIMER or CHEM-ROCK PRIMER
- ELASTI-THANE MEMBRANE
- ELASTI-THANE INTERMEDIATE
- PCA 322 Quartz Aggregate
- ELASTI-THANE TOPCOAT
- ROCK-TRED Aggregates for texture as needed

## 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 patching compound.
- If the concrete substrate is less than 5 years old, or there is evidence of minor movement along the control joints, the joints can be pre-filled with ROCK-TRED's ELASTI-POXI JOINT FILL or ELASTI-THANE BASECOAT. ELASTI-THANE BASECOAT is more flexible, will cure at lower temperatures and can be extended with aggregate to be used as a flexible grout when needed. Using ELASTI-THANE BASECOAT will require a primer application first.

## FOR BEST RESULTS:

- Allow for ventilation with indirect airflow – ELASTI-THANE products will have a solvent odor during application and curing.
- When applying at temperatures between 40° - 60°F, CHEM-ROCK PRIMER should be used. Above 60°F any of the recommended primers may be used.
- DO NOT thin the polymer products except as directed above or on the Tech 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.

- Apply each coat within 24 hours of previous coat.
- DO NOT apply to structurally unsound surfaces.
- 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 2-3 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:

FLEX-TRED TRAFFIC 3 SYSTEM AIA Specification  
Component Tech Data Sheets  
Component Material Safety Data Sheets  
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 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.