ROCK-TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

Fast-Floor HT System

System Thickness: 6+ mils

An Epoxy and High Wear, Fortified Urethane Coating System

DESCRIPTION:

When you need an industrial strength floor in a short period of time look no further than our HT SYSTEM. This system combines a clear or tinted basecoat and a clear or tinted ultra-high solids, moisture cured urethane fortified with a proprietary high wear filler to create our most abrasion resistant finish. It is VOC compliant through North America, chemically and highly UV resistant and can be completed with varying degrees of anti-slip texture and sheen level.

RECOMMENDED USES:

The FAST FLOOR HT SYSTEM is specified for use as a high performance, industrial or commercial flooring system in areas that are subjected to heavy volumes of traffic and/or exposure to fuels and chemicals. It is intended as a long wearing coating system able to withstand continuous foot, cart, pallet jack and fork truck traffic as well as exposure to automotive and aviation fuels and fluids. The high wear filler incorporated into ICP's Arizona Polymer Flooring's Poly 325 finish coat greatly increases the durability of the system allowing it withstand volumes of traffic other coatings simply cannot handle without showing significant wear. Typical applications include warehouses, factory aisles, clean rooms, aircraft hangars, retail stores, etc.

SYSTEM FEATURES:

- Good chemical and excellent abrasion resistance
- Varying degrees of sheen are possible by varying the application rate of the APF Poly 325 finish coat.
  - Applications rates of 450 – 500 sq. ft. per gallon will leave a significant amount of high wear filler in the finish. This will yield a texture similar to 2000 grit sandpaper with a satin sheen level.
  - Application rates of 350 – 400 are the recommended rate of application. This rate will leave some high wear filler visible in the finish to provide a slightly textured, semi-gloss surface.
  - Application rates of 300 – 350 sq. ft. per gallon will bury the high wear filler below the surface. The finish will be nearly smooth and will be a higher gloss sheen.
- Low odor and VOC compliant throughout North America

- Easy to Clean and Maintain
- Easy mixing ratios and application steps
- Easy to achieve streak free finish
- Highly UV resistant

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 appropriate primer for job site conditions. Recommended ROCK-TRED fast curing primers for this system include CHEM-ROCK Primer/Sealer WB, CHEM-ROCK PRIMER and CHEM-ROCK LT-45. Install primer at manufacturer's recommended coverage rates and back roll thoroughly to ensure pinhole free finish. If desired, aluminum oxide may be broadcast and back rolled into the primer coat to provide increased texture in the finished system.
4. After primer is sufficiently cured, apply APF Poly 325 in either clear or solid color at a very uniform application rate. See application rate information under System Features and on the Technical Data Sheet for Arizona Polymer Flooring's Poly 325.

FAST FLOOR HT SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- Primer: CHEM-ROCK Primer/Sealer WB clear or factory pigmented Gray, CHEM-ROCK PRIMER or CHEM-ROCK LT-45 clear or in a solid color.
- Arizona Polymer Flooring's Poly 325 clear or solid color.
- ROCK-TRED Universal Colorant.

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 System should be installed. After cutting, the joints can be filled with ROCK-TRED's ELASTI-POXI JOINT FILL for permanently flexible sealed joints.

FOR BEST RESULTS:

- APF's Poly 325 must be applied evenly and at a consistent application rate or variations in sheen and texture will result.
- 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.
- Apply each coat within 24 hours of previous coat.
- DO NOT apply to structurally unsound surfaces.

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:

FAST-FLOOR HT System 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.