ROCK-TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

CHEM-ROCK E-25 System

System Thickness: 24+ mils

Solid Color Floor Coating System for Low Temp Applications

DESCRIPTION:

The E-25 System is a solid color, durable, low-temperature curing, 100% solids epoxy coating system with the ability to cure down to 25°F, or to rapidly cure on jobsites up to 60°F. This system will yield a USDA/FDA acceptable gloss finish with good chemical, wear and abrasion resistance. E-25 can be installed from nearly smooth to a very aggressively textured finish depending on the job requirements.

RECOMMENDED USES:

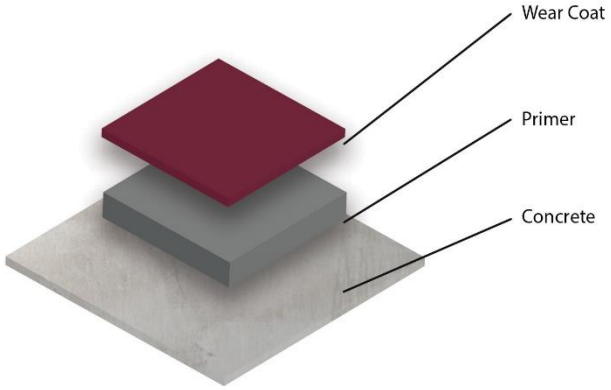
The E-25 System is specified for use as a high-performance flooring system on jobsites where the installation temperature is between 25° - 60°F. It is intended as a light/medium-duty system for use in industrial, commercial or institutional spaces where a durable, seamless, easy to maintain floor finish is required. Typical applications include cold storage areas, commercial and industrial freezers, food and pharmaceutical processing facilities, cold weather outdoor installations, etc.

SYSTEM FEATURES:

- Ability to cure at temperatures down to 25°F, or as a fast cure system on jobsites between 40°- 60°F.
- 100% solids, very low odor and VOC compliant throughout North America.
- Available in all 18 ROCK-TRED STANDARD Colors.
- Good chemical, wear and abrasion resistance
- Easy to Clean and Maintain
- USDA / FDA accepted for use in federally inspected facilities
- Easy mixing ratios and application steps

BASIC SYSTEM INSTALLATION STEPS:

1. Condition all materials to be used at cold temperatures down to approximately 35°- 40°F. Condition all liquids as well as any broadcast media. Do not allow material to freeze.
2. Prepare substrate according to ROCK-TRED's Surface Preparation Guide. A minimum surface profile of CSP 2 is recommended.



3. Perform any necessary substrate patching using approved ROCK-TRED materials such as CRACK N PATCH Freezer Formula or ROCK-MENDER and allow to cure. Grind patches flush with substrate and vacuum dust as necessary.
4. Mix and apply a self-priming base coat of CHEM-ROCK LT-25 low-temp epoxy in a solid color. Application rate should be between 100 – 135 sq. ft. per gallon.
5. After the primer coat is dry apply a second coat of the same CHEM-ROCK LT-25 in the chosen solid color. Application rate should be between 80 – 135 sq. ft. per gallon depending on desired finished system thickness.
6. If an anti-slip texture is required, white aluminum oxide may be broadcast and back rolled into the final coat of CHEM-ROCK LT-25.

CHEM-ROCK E-25 SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- CHEM-ROCK LT-25 for all fluid applied coatings in this system.
- ROCK-TRED Universal Colorant.

OPTIONAL SYSTEM COMPONENT PRODUCTS:

- Low temperature patching materials such as ROCK-MENDER or CRACK N PATCH Freezer Formula if rigid substrate repairs are required.
- Broadcast media –selected sizes of white Aluminum Oxide if additional texture is desired.
- CHEM-THANE P-200 as an optional solid color finish coat for added wear protection, or when UV resistance is needed in the system. This coating can be applied at 100 – 135 sq. ft. per gallon in place of the second coat of CHEM-ROCK LT-25, or as a third coating at a rate between 100 – 150 sq. ft. per gallon.

FOR BEST RESULTS:

- Condition all materials down to 35°- 40°F prior to use, but do not allow liquids to freeze.
- DO NOT thin CHEM-ROCK LT-25.
- Only thin CHEM-THANE P-200 with CHEM-THANE P-200 Reducer.
- 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 Universal Colorants – use recommended loading ratios.
- DO NOT use Universal Colorants C-04 Velvet Blue or C-05 Light Blue with CHEM-THANE P-200.
- 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.
- If installing on jobsites above 40°F plan your work carefully as this material will cure very rapidly above freezing.

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:

Installing Rock-Tred Systems on Low Temp Job Sites – Product Installation Tech Bulletin
CHEM-ROCK E-25 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.