

Decorative or Solid Color Broadcast Flooring System for Applications Below Freezing

DESCRIPTION:

This 1/16" system can be installed down to 0°F thanks to our proprietary polyol blend. COLD-TEMP ARCTIC combines our CHEM-THANE P-200 polyaspartic with decorative or standard broadcast elements to produce a durable finish even in the extreme cold!

RECOMMENDED USES:

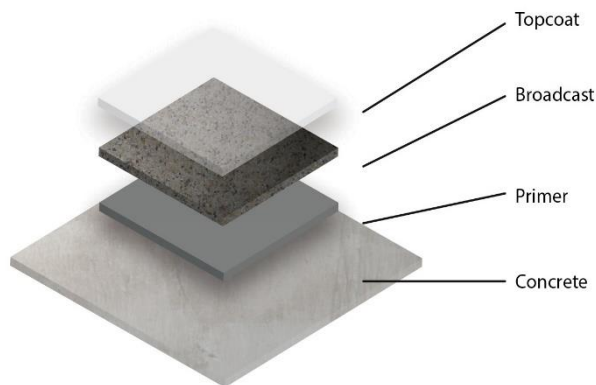
The COLD-TEMP ARCTIC System is specified for use as a high-performance flooring system on jobsites where the installation temperature is between 0° - 32°F. It is intended as a medium-duty system for use in industrial, commercial or institutional spaces where a durable, seamless, low maintenance floor finish is desired. Typical applications include cold storage areas, commercial and industrial freezers, food and pharmaceutical processing facilities, cold weather outdoor installations, etc.

SYSTEM FEATURES:

- High-solids, very low odor and VOC compliant throughout North America.
- Available in a wide variety of solid colors, decorative flake and colored quartz blends.
- Very good chemical 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-THANE P-200 low-temp polyaspartic in a solid color. The chosen color should be the same as the topcoat for solid color floors or should be a complimentary color to the chosen flake or colored quartz blend for decorative floors. When applied directly to concrete CHEM-THANE P-200 must be reduced with 21 oz. of CHEM-THANE P-200 Reducer per mixed



gallon. Apply at approximately 135 sq. ft. per gallon and immediately broadcast selected media to rejection.

- a. For a full flake system, broadcast ROCK-TRED flake to rejection at .15 - .20 pounds per sq. ft. and allow to cure. After cure, scrape, sweep and discard excess flake.
 - b. For a solid color system, broadcast ROCK-TRED's PCA 322 broadcast quartz aggregate to rejection at ½ pound per sq. ft. After cure, sweep and discard excess aggregate.
 - c. For a GRANITE-ROCK colored quartz aggregate system, an additional coat of clear CHEM-THANE P-200 is required or the finished floor color may appear blotchy. After the solid color primer coat of CHEM-THANE P-200 is dry, mix and apply a clear coat of CHEM-THANE P-200 at approximately 150 sq. ft. per gallon and broadcast GRANITE-ROCK to rejection at approximately ½ pound per sq. ft. After cure, sweep and discard excess aggregate.
5. After the broadcast coat is dry and has been swept of excess media, finish the system by applying a locking finishing coat of CHEM-THANE P-200. When applying over a full flake broadcast apply in clear at approximately 90-100 sq. ft. per gallon. When applying over natural PCA 322 quartz apply in a solid color at approximately 80 sq. ft. per gallon. When applying over GRANITE-ROCK apply in clear at 80 sq. ft. per gallon.
 6. If additional anti-slip texture is required white aluminum oxide may be broadcast and back rolled into the final coat of CHEM-THANE P-200.

COLD TEMP ARCTIC SYSTEM DATA SHEET

SYSTEM COMPONENT PRODUCTS:

- CHEM-THANE P-200 for all fluid applied coatings in this system.
- CHEM-THANE P-200 Reducer to add into the direct to concrete coat at least.
- ROCK-TRED Universal Colorant.
- Broadcast media – ROCK-TRED Flakes, GRANITE-ROCK colored quartz, PCA 322 natural quartz and selected sizes of white Aluminum Oxide if additional texture is desired.

OPTIONAL SYSTEM COMPONENT PRODUCTS:

- Low temperature patching materials such as ROCK-MENDER or CRACK N PATCH Freeze Formula if rigid substrate repairs are required.

FOR BEST RESULTS:

- Condition all materials down to 35°- 40°F prior to use, but do not allow liquids to freeze.
- Recommended for interior or exterior use.
- 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. If the system is being installed in a solid color and a lighter color is chosen an additional finish coat may be required for full hide.
- 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:

Installing Rock-Tred Systems on Low Temp Job Sites – Product Installation Tech Bulletin
Cold Temp Arctic 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.

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.
