



## PRODUCT PROFILE

### DESCRIPTION

The **COOL-TEC® System** is a superior heat-reflective water-based exterior coating designed to bring new life to aged concrete. COOL-TEC® uses solar reflective, heat and ultraviolet stable pigments. Specially-formulated to reflect the sun's heat, they can lower exterior surface temperatures by as much as 40 degrees when compared to traditional paints in many colors. Yielding longer lasting cooler colors making a more comfortable walking surface.

### FEATURES

- Thicker Than Ordinary Coatings; Fills Hairline Cracks, Covers Splinters, Hides Imperfections
- Non-Slip, Reduced Surface Temperature; Barefoot-Friendly Surface
- Water and Weather Resistance
- Low VOC
- Easy Application and Clean-Up
- Available in Unlimited Colors

### BENEFITS

- Fade Resistant Colors
- Long-Term Protection
- Easy To Clean
- Heat-Reflective Technology Gives a Cooler Walking Surfaces, Even With Darker Colors
- Mildew, Fungus and Algae Resistance Means Less Maintenance

### RECOMMENDED PRIMERS/SUBSTRATES

For Broom-Swept Concrete Surfaces

## PRODUCT APPLICATION

### INSTALLATION

Apply by brush or roller. Not intended for spray application.

### SURFACE PREPARATION

All surfaces must be clean, sound, dry and free of any dirt, oil, and grease before application.

### NEW CONCRETE SURFACES

Allow newly poured concrete to cure for a minimum of 30 days. Surface should have the texture of 120 grit sandpaper or coarser. Clean entire surface with commercial-grade deck cleaner. Scrub surface using a stiff bristle broom or brush. Thoroughly rinse the surface area with clean water using a high-pressure nozzle or a pressure washer. Allow the area to dry completely.

Test surface for water penetration by applying several drops of water to dry surface. If water does not penetrate immediately repeat above steps until passing.

Repair cracks. Use TEX-COTE® FLEX-PATCH® to fill cracks smaller than 1/8". For cracks larger than 1/8", repair with Roadware Concrete Mender (Available from TEX-COTE®) in accordance with manufacturer's specifications. Allow to dry before applying COOL-TEC®.

### PREVIOUSLY COATED CONCRETE SURFACES

Scrape and sand to remove all existing loose paint or other foreign materials. Sand remaining adhered coatings with 70 grit sand paper. Clean entire surface with commercial-grade deck cleaner. Scrub surface using a stiff bristle broom or brush. Thoroughly rinse the surface area with clean water using a high-pressure nozzle or a pressure washer. Allow the area to dry completely.

Test uncoated and areas where old coating was removed for water penetration by applying several drops of water to dry surface. If water does not penetrate immediately repeat above steps until passing.

Repair cracks. Use TEX-COTE® FLEX-PATCH® to fill cracks smaller than 1/8". For cracks larger than 1/8", repair with Roadware Concrete Mender (Available from TEX-COTE®) in accordance with manufacturer's specifications. Allow to dry before applying COOL-TEC®.

### APPLICATION RATE

Apply to horizontal surfaces in two coats at 90-110 square feet per gallon per coat. Apply to vertical surfaces in two coats at 400 square feet per gallon per coat. Must be applied in two coats.

### APPLICATION

Apply over dry clean properly prepared surfaces by brush or roller at specified application rate. Fill cracks by dabbing with a heavily loaded brush. Airless spray is not recommended and should be done by experienced applicators only. Maintain wet edge while applying. Use a 3/8" - 1/2" nap roller. Saturate the roller cover and apply generously in a consistent pattern. Avoid rolling back into coated areas once drying has begun.

### DRYING/CURING TIMES

- **To Touch:** Four (4) Hours
- **Recoat:** Four (4) to Six (6) Hours
- **Light Foot Traffic:** 24-48 Hours
- **Full Cure:** 72 Hours

Additional dry time may be needed in cooler temperatures and higher humidity. Premature heavy traffic will cause coating failure.

PRODUCT APPLICATION

CLEAN-UP

- For Dry Material: Use Xylol, Acentone, or Methyl Ethyl Ketone (MEK)
- For Wet Material: Use Water

BEST PERFORMANCE

IMPORTANT STEPS

- Use when air and surface temperatures are between 50-90°F.
- During application, avoid exposure of container to direct sunlight.
- Do NOT use if rain is expected within 24 hours.
- Intermix multiple containers to ensure color uniformity.
- Stir product occasionally throughout application.
- DO NOT THIN PRODUCT.

TECHNICAL DATA

PHYSICAL PROPERTY	TYPICAL RESULT
Volume Percent	48.5 - 49%
Weight Percent	63 - 64%
Dry Mills	14-18 (Applied in 2 Coats)
Wet Mills	29-36 (Applied in 2 Coats)

PHYSICAL PROPERTY	TYPICAL RESULT
Resin Base	Acrylic
VOC (grams/liters minus water)	<50 g/L
Weight/Gallon (pounds)	11.4 - 12 lbs

Applicable Standards | American Society for Testing Materials (ASTM)

TEST METHOD	PROPERTY	RESULT
ASTM D4060	Taber Abrasion	228 mg loss CS-17 Wheel 1kg Weight
ASTM D3359	Tape Adhesion	Concrete; 3B
Total Solar Reflectance (TSR)	Percent Increase by Color Range Compared to Conventional Acrylic Paints	Light Colors: 25% - 35% Medium Colors: 55% - 65% Dark Colors: 100% or Greater

ORDER INFORMATION

PACKAGING

Available in one (1), five (5) and fifty-five (55) gallon containers.

COLORS

Available in over 570 heat-reflective colors. Deep tone colors incur an additional charge.

COVERAGE RATES

Two coats are recommended at 90-110 square feet per gallon per coat, depending on surface porosity and texture. Must be applied in two coats. Some deep tone colors may required more product depending on the color. A mock-up should be done prior to application to determine proper square footage per gallon for the color chosen.

SHELF LIFE

- 12-Month Shelf Life under proper conditions:
- Containers are sealed, upright and airtight in a dry place.
  - Maintain temperature of 45°F to 100°F (7°C to 37.7°C); AVOID FREEZING.
  - Skins formed on surface of material must be removed prior to moving containers or mixing.

SAFETY

WARNING

- AVOID CONTACT WITH SKIN AND EYES.
- For skin contact, wash affected area with soap and rinse well.
- CAUTION should be used when walking on any coated surface when it gets wet.
- Splatter or lace finishes, not the smooth roll-on finish, should be used for all application where water is present.

## SAFETY, Continued

## FIRST AID

- In case of contact with eyes, flush with cold water for 15 minutes.
- If swallowed, do NOT induce vomiting.
- Drink 1-2 glasses of water or milk.
- Contact a physician immediately.

## VOC COMPLIANCE

All TEX-COTE® products comply with federal Volatile Organic Compound (VOC) rules and regulations.

Please contact your nearest TEX-COTE LLC office for assistance on the local and state VOC compliance in the area of intended use.

## WARRANTY

Upon completion of the application of the coating in accordance with the manufacturer's recommendations, TEX-COTE LLC will extend its limited commercial warranty for product replacement as a result of a defect in the material. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with the manufacturer's recommendations for installation. TEX-COTE LLC shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.

Corporate HQ & East Coast Facility 2422 E. 15th St., Panama City, FL 32405 | 800-454-0340 | 850-769-0347 | Fax 850-913-8619

South Florida Sales Office 7000 W. Palmetto Park Rd., Ste 210-W14, Boca Raton, FL 33433 | 954-581-0771 | Fax 954-581-9516

West Coast Facility 417 E. Weber Ave., Compton, CA 90222 | 323-233-3111 | Fax 310-438-2873