



Concrete Coating

COOL-TEC® HEAT-REFLECTIVE CONCRETE COATING

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
- Heat-reflective technology gives a cooler walking surfaces, even with darker colors.
- Easy to clean.
- Mildew, fungus, and algae resistance means less maintenance.

RECOMMENDED OVER

For broom-swept concrete surfaces.

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.

Dry Time:

4-6 hours before recoat. Dries to touch in 4 hours. Wait 24-48 hours before light foot traffic. 72 hours to full cure. Additional dry time may be needed in cooler temperatures and higher humidity. Premature heavy traffic will cause coating failure.

Clean Up:

For wet materials, use water to clean up. For dry materials, use Xylol, acetone, or methyl ethyl ketone (M.E.K.).

BEST PERFORMANCE

- 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

- Solids by weight: 63-64
- Solids by volume: 48.5-49
- Weight per gallon: 11.4-12
- Resin base: Acrylic
- VOC: <50g/L
- Wet mils: 29-36 (applied in 2 coats)
- Dry mils: 14-18 (applied in 2 coats)

- 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 1, 5, and 55 gallon containers
- Color choices: Available in over 570 heat-reflective colors. Deep tone colors incur an additional charge.
- Coverage rate: Two coats are recommended at 90-110 square feet per gal-

- lon 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

- Store containers upright and airtight in cool, dry place at temperature between 45-100°F (7-38°C).
- AVOID FREEZING
- Skins formed on surface of product should be removed prior to mixing, moving, or using.

SAFETY

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.

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 and state Volatile Organic Compound (VOC) rules and regulations. Please contact your nearest TEX-COTE LLC office for assistance on the local VOC compliance in the area of intended use.

WARRANTY

Upon completion of application of 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 manufacturer's recommendations for installation. TEX-COTE LLC shall have no responsibility to contribute or to otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.



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