



PRODUCT PROFILE

DESCRIPTION

The **COOL-TEC® System** is a superior heat-reflective water-based exterior coating designed to bring new life to aged horizontal concrete and masonry. COOL-TEC® offers waterproof protection over areas that receive light to moderate foot traffic. It 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; Hides Imperfections
- Slip-resistant Grain, Reduced Surface Temperature; Barefoot-Friendly Surface
- Water and Weather Resistance
- Low VOC
- Easy Application and Clean-Up

BENEFITS

- Fade-resistant Colors
- Long-term Protection
- Easy to Clean
- Low Maintenance

RECOMMENDED PRIMERS / SUBSTRATES

Concrete & Masonry: COOL-TEC® Primer

PRODUCT APPLICATION

APPLICATION EQUIPMENT

Roller: Use a 3/8" to 1/2" (9.5 mm to 38 mm) synthetic woven nap roller cover. Use longer nap for rough or porous surfaces.

Brush: Use a high quality nylon or synthetic bristle brush.

SURFACE / FILLER / PATCHER

Repair cracks: Use TEX-COTE® FLEX-PATCH® to fill cracks smaller than 1/8". For cracks larger than 1/8", repair with a suitable epoxy mortar repair compound (e.g. Hilti HIT-RE 500) in accordance with manufacturer's specifications. Allow to dry before applying COOL-TEC® Primer.

CONCRETE

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

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.

PAINTED SURFACES

Scrape and sand to remove all existing loose paint or other foreign materials. Sand and feather remaining adhered coatings with 80 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.

COVERAGE RATES

Apply at a rate of 60-80 sqft/gallon or 2 coats at 120-160 sqft/gallon each coat.

MIXING

Stir thoroughly, making sure no pigment remains on the bottom of the pail.

APPLICATION

Primer: 100-140 sq ft/gal (2.45-3.44m²/l).

COOL-TEC®: Apply over dry clean properly prepared surfaces by brush or roller at specified application rate. Fill cracks by dabbing with a heavily loaded brush. 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.





BEST PERFORMANCE

SURFACE TEMPERATURE

Minimum 45°F (7°C) Maximum 120°F (49°C)

TOPCOATS

Clear-Seal can be applied in specific applications for additional durability and resistance to ponding water. Consult your Tex-Cote Sales Representative for more details.

CLEANUP

Clean all equipment immediately after use with water.

TECHNICAL DATA

PHYSICAL PROPERTY

TYPICAL RESULT

Volume Percent Solids	53 - 55%
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Weight Percent Solids	65 - 67%
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PHYSICAL PROPERTY

TYPICAL RESULT

Resin Base	Acrylic
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VOC (grams/liters minus water)	<50 g/L
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Weight/Gallon (pounds)	11.4 - 12 lbs
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Applicable Standards | American Society for Testing Materials (ASTM)

TEST METHOD

PROPERTY

RESULT

ASTM D 4060	Taber Abrasion	120 mg loss
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ASTM D 3359	Tape Adhesion	Concrete; no less than 5B rating
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ASTM E 303	Slip Resistance (CoF)	Base Coat .42, Base Coat + Clear Seal .59
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ASTM E 84	Surface Burn	Class A
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ASTM D 412	Elongation	Greater than 200%
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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
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ORDER INFORMATION

PACKAGING

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

COLORS

Available in 18 Standard heat-reflective colors. Deep-tone colors incur an additional charge.

SHELF-LIFE

12-Month shelf life under proper conditions:

- Container 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 contacted surface when it gets wet.

FIRST AID

- In case of eye contact, flush immediately with large amounts of water for at least 15 minutes.
- Seek medical attention if blurring or redness continues.

IN CASE OF SPILL

- Absorb with inert material and place into a suitable container for disposal.
- Dispose in accordance to the EPA.

Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Safety Data Sheet for important health and safety information prior to the use of this product. Keep out of the reach of children.

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

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South Florida Sales Office

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West Coast Facility

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