



# TECHNICAL DATA SHEET

## HEAT-REFLECTIVE CONCRETE FLOOR COATING COOL-TEC Primer

### 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. **COOL-TEC® Primer** is an integral part of the **COOL-TEC® System**, promoting adhesion to concrete and masonry substrates. The complete system helps protect the coated surface from water ingress, and provides a slip-resistant finish to walking surfaces. Using the system helps cool the surface by reflecting solar radiation.

#### FEATURES

- Promotes Adhesion
- Low VOC
- Easy Application and Clean-Up

#### BENEFITS

- Multiple Application Options
- Easy to Clean-Up

#### RECOMMENDED PRIMER / SUBSTRATES

Concrete & Masonry

### 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 (i.e. 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 contaminates 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 100-140 sqft/gallon (2.45-3.44m<sup>2</sup>/l).

#### MIXING

Stir thoroughly.

#### APPLICATION

**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.

#### DRYING / CURING TIMES

- Dry to Touch: One (1) to Three (3) hours.
- Recoating/Topcoat: Three (3) to Four (4) hours.



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## BEST PERFORMANCE

**SURFACE TEMPERATURE** Minimum 45°F (7°C) Maximum 120°F (49°C)

**CLEAN UP** Clean all equipment immediately after use with water.

## TECHNICAL DATA

PHYSICAL PROPERTY	TYPICAL RESULT
Volume Percent Solids	42-46%
Weight Percent Solids	57-61%

PHYSICAL PROPERTY	TYPICAL RESULT
Resin Base	Acrylic
VOC (grams/liters minus water)	<50 g/L
Weight/Gallon (pounds)	11.2 lbs

## ORDER INFORMATION

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

**COLORS** See Customer Service Representative.

**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 with 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.

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