



Concrete Floor and Deck Coating System

COOL-TEX® Concrete Floor and Deck Coating

DESCRIPTION

COOL-TEX® concrete floor and deck coating is an advanced, very low VOC water-based epoxy coating system that provides superior performance and wear characteristics for garage floors, patios, and walkways. COOL-TEX® base coat is followed with COOL-TEX® CLEAR-COTE. COOL-TEX® combines the latest in epoxy chemistry with heat-reflective* technology to provide a tough surface with cooler, longer lasting colors. COOL-TEX® is both aesthetically pleasing and functional, as it lowers surface temperatures* while it protects the surface, increasing the life of the deck. COOL-TEX® is designed to resist chipping, flak-

ing and peeling, providing years of trouble-free service. COOL-TEX® can be applied to achieve many different appearances. It can be left as a single color, splattered with additional colors for a multi-color finish, or knocked-down for a textured lace finish. The creative possibilities are endless, resulting in a durable, virtually maintenance-free coatings that protects as well as it looks. **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 applications where water is present.** *Heat-reflectivity only applicable for exterior applications. *See Order Info for important details.*

BENEFITS

- Heat-reflective* technology gives a cooler walking surfaces, even with darker colors.
- Long lasting durability.
- Protects concrete from UV and moisture
- Lace, splatter or smooth finishes.
- Resistant to stains and scratching.
- Fade resistant colors, easy to clean
- Mildew, fungus, and algae resistance means less maintenance.

RECOMMENDED OVER

Bare Concrete Only - no primer required. This product must NOT be used over paints, stains, or polymer concrete overlays. Do not coat joint sealant compounds.

APPLICATION

Moisture Testing:

Prior to starting the project, it is recommended to do a test for excess moisture in and under the concrete. This is done by adhering a 2' x 2' piece of heavy-duty plastic such as from a heavy-duty garbage bag to the concrete using duct tape. Remove the plastic after 24 hours and examine the underside for moisture droplets and also significant darkening of the concrete. Either of these are an indication of a moisture problem that could lead to later coating adhesion problems.

Preparatory Work:

Like all coating systems, proper performance of COOL-TEX® is dependent on the quality of the surface preparation. Spalled or damaged substrates must be restored and the surface clean, free of standing water, oil, grease, algae, loosely adherent paint or other contamination. Cracks should be repaired with Roadware Concrete Mender in accordance with manufacturer's directions (available from TCA). Bare concrete must be power washed as a minimum prior to application. In the case of "bare" concrete which has been steel troweled and/ or treated with a hardener and is a very smooth surface, acid etching and thorough rinsing is required prior to application. A Concrete Surface Profile

(CSP) of CSP-2 to CSP-3 is recommended. All previously coated surfaces must be ground to bare concrete prior to application. We recommend a concrete grinder equipped with a vacuum.

Area Protection:

Due to the nature of the material, proper area protections is critical when applying the COOL-TEX® system. All surrounding areas should be properly protected to prevent overspray and contamination. If multiple coats are to be applied (splatter or lace finishes), all masked areas should be double-taped to allow the first layer of tape to be removed immediately after the base coat is applied, leaving the masked area otherwise unaffected. If overspray occurs, clean immediately with water. Do not allow to dry, as removal will be difficult. All tape should be removed immediately after the final application.

Application Rate:

Base coat is applied as two coats at a rate of 90-110 square feet per gallon each. The first and second coats require a 1/2" nap high quality roller taking the paint out of a tray. We do not recommend pouring the paint directly on the floor. Product is applied to bare concrete without the use of a primer. Finish coats will depend on desired look and range from 100-110 square feet per gallon for

each subsequent coat. COOL-TEX® can be applied to achieve many different appearances. It can be left as a single color, splattered with additional colors for a multi-color finish, or knocked down for a textured lace finish.

Base Coat:

COOL-TEX® is a 2-component epoxy coating. Part B must be premixed with a drill mixer until smooth prior to adding Part A. Part A and Part B must be mixed thoroughly just prior to application for 2-3 minutes. **Once mixed, the material must be applied within 2 hours. Due to the nature of the material, workability is also limited to 10-15 minutes after it has been applied.** Base coat is applied by rolling the material evenly with a medium nap high quality roller, then back rolled to force material into any voids and to achieve a pinhole free coating. For best results, a cross-hatch technique should be used, where the second coat is applied perpendicular to the first.

Splatter:

The splatter coats should be applied 18-24 hours after the base coat. Part-A & Part-B must be mixed thoroughly just prior to application. **Once mixed, the material must be applied within 2 hour. Due to the nature of the material, workability is also limited to 10-15 minutes after it has been applied.** Splatters should be

applied with a hopper gun (Sagola/Graco or equivalent) and a 6mm tip. Splatters can be applied one after another, without waiting for the splatters to completely dry. To adjust the size and shape of the splatter, adjust the air pressure supplied to the hopper gun until desired splatter is achieved. Concentration of splatter is determined by how much material is applied and how quickly the gun is moved. Coverage rates will range from 90-200 square feet per gallon, per color, depending on the size and concentration of the splatter.

Lace Finish:

The lace coats should be applied 18-24 hours after the base coat. Part-A & Part-B must be mixed thoroughly just prior to application. **Once mixed, the material must be applied within 2 hour. Due to the**

nature of the material, workability is also limited to 10-15 minutes after it has been applied. Material will be applied just as with a splatter finish, but once applied will be knocked-down using a square texturing tool or wide mud knife. Immediately before applying small sections should be applied in order to remain workable, then knocked-down more splatter adjacent to the completed area. The lace can be done in either a directional or random/non-directional pattern. Light pressure will produce a raised lace texture, while moderate to heavy pressure will produce a smoother marbled lace finish. Coverage rates will range from 80-200 square feet per gallon, per color, depending on the size and concentration of the splatter used to achieve the lace. COOL-TEX® CLEAR-COTE is applied to seal the COOL-TEX® and make it an easy

surface to clean.

Clean-Up:

Clean wet material and tools with water immediately after use. Due to the nature of the material, it is extremely difficult to remove or clean once dry. It is important to use proper area protection and good painting practices to limit the amount of over-spray from surrounding structures, landscaping and hard scraping. If over spray occurs, clean immediately with water. Do not allow to dry, as removal will be very difficult. Any dried over-spray on glass should be carefully removed with a razor blade tool.

Dry Time / Cure Time:

COOL-TEX® is set to touch in 4-6 hours and ready for light foot traffic in 10-12 hours, with hard cure in 48-72 hours. Higher application rates may slow drying and cure times.

BEST PERFORMANCE

COOL-TEX® should only be applied during good weather conditions. Surface temperatures should be at least 55°F (7°C) and rising, and not to exceed 100°F (37.7°C) with a humidity below 75%.

- MIST CONCRETE WITH WATER TO DAMPEN JUST PRIOR TO APPLICA-

TION. THERE SHOULD BE NO PUDDLING OR STANDING WATER ON SURFACE.

- Do not apply when rain is imminent or expected within 12 hours or when dew point is within 10 degrees of the temperature or when humidity is above 75%
- Good air flow is recommended during application; windows and garage doors

should remain open. A fan can be used for added flow.

- With reasonable air flow and the above conditions, recoat should be possible in 3-6 hours.
- After the first coat application, shoe covers must be worn to prevent footprints with each subsequent application of COOL-TEX® and CLEAR-COTE.

TECHNICAL DATA

- Weight per gallon (mixed): 16.5 lbs

- Solids by volume (mixed): 51.0%
- Carrier: Water

- VOC (mixed product): <10 grams/liter

ORDER INFORMATION

Note: Photographs of substrate to be coated must be pre-approved by technical department before ordering.

- Packaging available in 4 gallon (~200 square feet) & 1 gallon (~50 square feet) kits. Part A and Part B must be mixed thoroughly just prior to applying.

- A choice of 16 colors are available in heat reflective* colors. Deep-tone colors incur an additional charge.
- Coverage rate for base coat is ~90-110 square feet per gallon per coat (2 coats required). Finish coats will vary depending upon desired look, but will be ~80-120 square feet per gallon, per subsequent splatter.

- Do not thin.
- Shelf life—twelve months under proper conditions.
- Containers must be stored upright and airtight in a dry space.
- Maintain air temperature of 45°F-100°F (7°C-38°C).
- Heat-reflectivity only applicable for exterior applications.

SAFETY

CAUTION: Do not close the lid on any unused mixed material. **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 finish-**

es, 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 TCA 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, Textured Coatings of America, Inc. 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® 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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