



PRODUCTS

Division of Sierra Corporation

TRI-KOTE 26UV

Meets Federal EPA's VOC Requirements

Technical Data



PRODUCTS
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Chlorinated Rubber Epoxy Concrete Treatment

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1. PRODUCT NAME

TRI-KOTE 26UV CHLORINATED RUBBER EPOXY CONCRETE TREATMENT

2. MANUFACTURER

TK PRODUCTS, DIVISION OF SIERRA CORPORATION, 11400 West 47th Street, Minnetonka, MN 55343 952-938-7223 952-938-8084 (FAX) e-mail: tkproduct@aol.com Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

TRI-KOTE 26UV is a special formula of chlorinated rubber, epoxy and other co-polymers that cures, hardens and seals new concrete in one easy application. It eliminates the need for other curing processes. When applied to new concrete as a cure, Tri-Kote 26UV seals and retains 95-98% of the moisture content for the critical 7 day curing period. Even low-humidity, high-temperature conditions will not affect its performance, provided it is applied at the proper time. This high moisture retention assures stronger fully cured concrete.

TRI-KOTE 26UV contains a greater amount of ultra-violet inhibitor to prevent discoloration, (unless the compound is over-applied).

TRI-KOTE 26UV has been tested and performance proven throughout the United States and Canada by state highway departments, federal construction projects, county and municipal projects as well as industrial, commercial, farm and residential construction for over 45 years.

Proven Facts About Tri-Kote:

-TRI-KOTE 26UV won't wear off because it penetrates as deep as 3/16" below the surface on existing concrete (concrete that has been cured and lightened in color). This depth is contingent upon porosity of the finished concrete relative to the moisture level within the concrete mass at the time of application.

-Gives complete protection from sudden rainfall within 1 hour of application.

-Provides continuous, lasting protection from damage by freeze/thaw cycles, deicing chemicals, mild acids, alkali, salts, grease and oil.

-Eliminates dusting in new concrete and stops dusting, flaking and leaching of free alkali in existing concrete.

-Arrests popping, retards spalling, flaking and other serious surface disintegration.

-Prevents moisture seepage into the concrete which can freeze and expand causing cracking and spalling.

-Retards progressive spalling. Reduces hairline crazing when used as a curing compound.

-Slipperiness is not enhanced or abetted by the use of TRI-KOTE 26UV. Braking tests conducted in accordance with Bureau of Public Roads standards substantiates this statement.

-TRI-KOTE 26UV does not discolor when exposed to sun light, unless the compound is over-applied. Puddles and runs will show up light amber because the product is amber in color.

-Provides a semi-gloss appearance, but remains skid-resistant on properly broomed and/or tine finishes.

-Provides easy maintenance.

-Short down time. No tracking.

-Vandalism markings of paint, crayon and chalk may usually be removed with solvent, rather than by sandblasting.

-TRI-KOTE 26UV will perform as described above provided a quality concrete mix design was used and proper placement and finishing techniques were used.

4. TECHNICAL DATA

TRI-KOTE 26UV is a special formula of chlorinated rubber, epoxy, and other co-polymers. No fillers are used and there are no oils, waxes, or saponifiable resins contained in this mixture.

-Solids content: 26%
Flash Point: 81° F.
Drying Time: 1 hour

Cold weather applications may require longer drying time.

-Moisture Efficiency: .10 kg/m2 at 300 sq. ft. per gallon. ASTM C-1315 - max. allowed .40 kg/m2.

-A.I.M. Category: Concrete Curing and Sealing Compound, maximum VOC 700g/l.

A.I.M. Definition - TRI-KOTE 26UV is a liquid membrane-forming compound marketed and sold solely for application to concrete surfaces to reduce the loss of water during the hardening process and to seal old and new concrete providing resistance against alkalis, acids, and ultraviolet light, and provide adhesion promotion qualities. The coating must meet the requirements of American Society for Testing and Materials (ASTM) C-1315-95, Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete.

TRI-KOTE 26UV has USDA authorization for use in meat, poultry and food processing plants.

Provides an excellent bond for most paint, tile adhesives, asphalt overlays and roofing binders.

TRI-KOTE 26UV meets and exceeds these Specifications:

- ASTM C-1315-95, Type 1, Class A, B, & C
- TT-C-800A, Type II, Class 1
- ASTM-C-309, Type 1, Class A & B; Type 1-D with fugitive dye added.
- AASHTO Des. M-148, Type 1
- USA CE CRD-C-300, Type 1

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Application:

Ready for use, do not mix or dilute. **New Concrete:** Finish trowel, allow surface water to completely dissipate. Use low pressure (20-30 lbs.) sprayer or power sprayer. Apply uniformly at specified rate of coverage. Avoid heavy accumulations.

Coverage:

<u>Coverage rate*</u>	<u>sq. ft./gal.</u>
Curing	
troweled surface	450-550
broomed surface	350-450
Dustproof/seal	

Second Coat if Necessary 250-650
 *Coverage rates will always be dependent upon the porosity of the concrete. We want to satisfy the porosity of the concrete and leave a thin film on the surface.

Limitations:

Apply in temperatures above 40 degrees F. Cold weather applications can be made under prescribed conditions and procedures specified by TK PRODUCTS. Not recommended for use on colored concrete, asphalt. Not recommended for use on concrete that is going to have a concrete overlay or a thin set mortar applied. Sprayers must be equipped with neoprene hose, washers and gaskets. TRI-KOTE 26UV will not freeze and may be stored outdoors in cold weather; however, it must be allowed to warm to about 50° F. before use.

Note:

In recent years extenders and additives are being incorporated into ready mixed concrete. These products can cause areas of different porosities in the concrete, leaving some areas of the finished surface a darker shade than other areas; i.e. concrete with calcium chloride. Coverage of curing and sealing compounds should be adjusted to compensate for these variations and for second coat applications. It should also be noted concrete rarely cures out evenly, and there will be darker areas and lighter areas in the finished surface until the concrete is completely cured out.

Equipment Cleanup:

Pump TK-00 Solvent through sprayers to remove residue which can clog hose and wand assembly.

Precautions:

TRI-KOTE 26UV contains aromatic hydrocarbon, a flammable liquid, and is shipped under red label. KEEP AWAY FROM HEAT SPARKS AND OPEN FLAME, and OUT OF THE REACH OF CHILDREN. Close container after each use; do not transfer to unmarked containers or weld or cut on or near. Avoid

prolonged breathing of vapor or spray mist; avoid eye or skin contact. Wear eye goggles and neoprene gloves. Interior Use: TURN OFF PILOT LIGHTS; USE WITH ADEQUATE VENTILATION. Do Not allow vapors to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated. TRI-KOTE UV in its cured state is not toxic.

First Aid:

Ingestion: DO NOT INDUCE VOMITING. GET MEDICAL HELP.
Inhalation: remove person to fresh air; give artificial respiration if not breathing; GET MEDICAL HELP. *Eye and Skin Contact:* wash with clean water for 15 minutes.

In Case of Fire:

Use CO2 dry chemical. Do not use water spray. Generic Name: Aromatic Hydrocarbon.

Spills or Leaks:

Eliminate all sources of ignition. Soak up with absorbent material; allow vapors to dissipate, incinerate under local regulations.

6. AVAILABILITY:

TRI-KOTE 26UV is available through TK Distributors; contact TK PRODUCTS for the nearest distributor. Packaged in 55, 5 and 1 gallon containers.

Maintenance:

Minimal maintenance is required other than normal sweeping, dusting, or mopping. If wear patterns do occur, or spillage removes the coating, TRI-KOTE 26UV can be reapplied to the affected area.

7. LIMITED WARRANTY

TK Products, a division of The Sierra Corporation, warrants that its products conform to their label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of its products by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. SHOULD ANY OF ITS PRODUCTS FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCTS OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THE PRODUCTS OF TK PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND

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8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Services
 PO BOX 1213
 Englewood, CO 80150
 Information Marketing Services
 13271 Northend
 Oak Park, MI 48237

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