



## TK-TRI-KOTE 26 UV VOC

### ***Chlorinated Rubber Epoxy Concrete Treatment***

Item No. TK-26 UV VOC

#### **PRODUCT DESCRIPTION**

TK-TRI-KOTE 26 UV VOC is a special formula of chlorinated rubber and epoxy that cures, seals and hardens new or existing concrete in one easy application. TK-TRI-KOTE 26 UV VOC eliminates the need for further curing processes by retaining 95-98% of the moisture content of concrete over its critical 7-day curing period - ensuring stronger, fully cured surfaces. TK-TRI-KOTE 26 UV VOC contains UV (ultra violet) inhibitors which resist yellowing or discoloration due to sunlight exposure.

#### **Features:**

- Adverse weather conditions such as low humidity and high temperatures will not affect its performance (when applied at the proper time).
- Penetrates as deep as 3/16" below the surface on existing concrete.
- Provides complete protection from sudden rainfall within one hour of application, as well as continuous protection from damage caused by freeze/thaw cycles, deicing chemicals, mild acids and alkali, salt, grease and oil.
- Arrests popping and retards spalling, flaking and other serious surface disintegration.
- Eliminates dusting in new concrete and stops dusting, flaking and leaching of free alkali in existing concrete.
- Provides a semi-gloss, easy to maintain finish.

#### **USES:**

Suitable for interior or exterior use on new or existing concrete in industrial, commercial, farm and residential environments.

TK-TRI-KOTE 26 UV VOC has been tested and performance proven throughout the United States and Canada by multiple state highway departments, federal construction projects, and county and municipal projects.

#### **TECHNICAL DATA**

*Composition and Materials: A special formula of chlorinated rubber and epoxy. No fillers are used and there are no oils, waxes or saponifiable resins. TK Products are manufactured with only the finest quality raw materials available and close quality-control is practiced.*

Solids Content:	27%
Flash Point:	40°F
Moisture Efficiency:	.10 kg/m <sup>2</sup> at 300 ft <sup>2</sup> /gallon
Drying Time* (70°F & 50% RH):	1 hour
VOC Content:	< 350g/l
A.I.M. Category:	Concrete Curing Compounds Maximum VOC 350 g/l
Applicable Standards:	<ul style="list-style-type: none"> <li>- ASTM C-1315, Type I, Class B</li> <li>- ASTM C-309, Type I, Class A</li> <li>- Fed.TTC-C-800A, Type I, Class I</li> <li>- AASHTO Des. M-148, Type I, Clear</li> <li>- CE CRD-C-300, Type I</li> <li>- State Highway Departments (check local district offices)</li> <li>- USDA Authorization for use in meat, poultry and food processing plants.</li> <li>- Resilient Tile Institute approval for compatibility with most resilient tile, carpet adhesives and paints.</li> </ul>

*\*Cooler temperatures and high humidity rates will extend dry times.*

#### **APPLICATION PROCEDURES:**

##### **PREPARATION:**

Surfaces must be clean, dry and free of oils, grease and dust. Large areas may be blown dust free by compressed air, washed and let dry. Surface water must be allowed to completely dissipate before applying.

At this point a small mock-up area should be applied in an inconspicuous location to test the compatibility of the coating with the prepared substrate. Allow the coating to dry and cure fully, then inspect for proper film formation, gloss, adhesion and confirm that the film is free from whitening or any other defects.

##### **MIXING:**

The material is ready for use and requires no mixing or dilution. It is unlawful to further dilute with non-exempt solvents.

##### **APPLICATION:**

TK-TRI-KOTE 26 UV VOC WILL DARKEN CONCRETE.

*New Concrete Application* - Finish trowel and allow surface water to completely dissipate. Use a low pressure (20-30 lbs.) sprayer or power sprayer and apply uniformly at the specified rate of coverage. Avoid heavy accumulations. DO NOT OVER APPLY.

*Existing Concrete Application* - Use a long nap applicator or paint roller to distribute the compound more evenly. An airless sprayer or low pressure spray equipment may be used for larger areas but avoid heavy accumulations. DO NOT OVER APPLY. On very porous surfaces where absorption is rapid, a second coat should be applied. Allow the coating to become tack free between coats.

##### **CLEAN UP:**

Use TK-00 XYLENE\* to clean tools and equipment. Pump solvent through the sprayer to remove residue of materials which can clog the hose and wand assembly.

## **COVERAGE:**

Surface	Coverage
Curing	450-550 sq.ft./gal
	Troweled
	Broomed
Dustproof/Seal:	250-650 sq.ft./gal
Second Coat (if necessary):	250-650 sq.ft./gal

*Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.*

## **MAINTENANCE:**

Minimal maintenance is required other than occasional sweeping, dusting or mopping. If wear patterns do occur or if spillage removes the coating, TK-TRI-KOTE 26 UVVOC may be reapplied to the affected area(s).

## **LIMITATIONS:**

- Apply in temperatures above 40°F. Colder weather applications may be made under prescribed conditions and procedures specified by TK Products.
- Not recommended for use on asphalt or colored concrete.
- Not recommended for use on concrete overlays or thin set mortar.
- Sprayers must be equipped with neoprene hose, washers and gaskets as rubber or other materials will disintegrate from the solvent.
- Material will not freeze and may be stored outdoors in cold weather; however it must be allowed to warm to approximately 50°F before use.
- This product is to be applied according to recommended coverage rates as over-application may cause discoloration.

*Note 1. Concrete containing calcium chloride will remain dark longer when sealed. Extenders and additives (concrete admixes, fly ash) are now being added to some ready mixed concrete which can cause inconsistency in the porosity of the concrete. Some areas of the finished concrete may then appear darker than others. To compensate for these variations, coverage ratios should be adjusted.*

*Note 2. Popout problems can occur anytime, however, concrete in certain regional areas, concrete applied in extremely hot conditions (90°F+), and heavily steel troweled concrete can aggravate popout problems. These deficiencies are the result of a heat caused reaction, called alkaline silica reactivity (ASR), between the silica in the shale particles of the fine aggregate with the sodium and potassium alkali in the portland cement. For more information on this problem, refer to "POPOUTS" by Norman E. Henning, P.E. and Kenneth L. Johnson, P.E. of Twin City Testing and Engineering Laboratory and Lowery J. Smith of the J.L. Shiely Company. Where this type of shale is present, and extremely hot weather conditions prevail, it is recommended that liquid membrane curing compounds should not be used until the concrete has been completely cured by water ponding, continuous water spray mist, or wet burlap covering for a period of three days. A seal coat can then be applied for dustproofing and protection (when concrete is completely dry).*

## **FIRST AID:**

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

## **AVAILABILITY:**

TK-TRI-KOTE 26 UVVOC is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 55-gallon drums, 5-gallon pails and 1-gallon cans.

**FOR PROFESSIONAL USE ONLY**

## **NOTES:**

\*TK-00 XYLENE must be purchased separately

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## **CONDITIONS OF SALE/ LIMITED WARRANTY**

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