



Division of Sierra Corporation
ISO 9001:2008 Certified

TRI-KOTE 26

Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME

TRI-KOTE 26 CHLORINATED RUBBER EPOXY CONCRETE TREATMENT

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

TRI-KOTE 26 is a special formula of chlorinated rubber, and epoxy 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 26 seals and retains 95-98% of the moisture content for the critical 7-day curing period. Even low humidity and 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 26 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 35 years.

PROVEN TRI-KOTE FACTS:

TRI-KOTE 26 will not 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 26.

(Braking tests conducted in accordance with the Bureau of Public Roads standards substantiates this statement)

-TRI-KOTE 26 does have a tendency to discolor when exposed to sunlight.

-Provides a semi-gloss appearance, but remains skid-resistant on properly broomed and/or fine 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 sand-blasting.

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

Solids Content:	29%
Flash Point:	105°F
Drying Time*:	1 hour
Moisture Efficiency:	.10 kg/m ² at 300 ft ² /gallon
ASTM C-1315:	Max. allowed .40 kg/m ²

*Cold weather applications may require longer drying time.

-TRI-KOTE 26 has been authorized by the USDA for use in meat, poultry and food processing plants.

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

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

A.I.M. Definition- 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 the 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 26 meets and exceeds these specifications:

- ASTM C-1315-95, Type 1, Class 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
- State Highway Departments, check local district offices.

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 a low pressure (20-30 lbs.) sprayer or power sprayer. Apply uniformly at specified rate of coverage. Avoid heavy accumulations.

EXISTING CONCRETE:

Must be free of oil, grease and soil. Use a long nap applicator or paint roller. On large areas, use airless or low pressure spray equipment. Apply second coat on very porous surfaces. Allow coating to become tack free between coats.

TRI-KOTE 26
Curing and Sealing Compound

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COVERAGE*

SURFACE	SQ.FT./GAL
Curing	
troweled surface	450-550
broomed surface	350-450
Dustproof/seal	250-650
Sealing bridge decks	250
Sealing bridge deck overlays	350-450
Refurbishing old concrete or to cure problem areas	250-450

*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° F. Cold weather applications can be made under prescribed conditions and procedures specified by TK PRODUCTS. Not recommended for use on colored concrete, or asphalt. Not recommended to be used on concrete overlay or a thin set mortar applied. Sprayers must be equipped with neoprene hose, washers and gaskets. TRI-KOTE 26 will not freeze and may be stored outdoors in cold weather; however, it must be allowed to warm to about 50° F before use. TRI-KOTE 26 will darken the appearance of concrete, especially if over applied.

NOTE 1: In recent years, extenders and additives have begun 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 that concrete rarely cures out evenly, and that there will be darker and lighter areas in the finished surface until the concrete is completely cured out.

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).

CLEANUP OF EQUIPMENT

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

PRECAUTIONS

TRI-KOTE 26 contains xylene, 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 26 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.

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 26 is available through TK Distributors; contact TK PRODUCTS for the nearest distributor. Packaged in 55-gallon, 5-gallon, and one 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 26 can be reapplied to the affected area.

7. CONDITIONS OF SALE/ LIMITED WARRANTY

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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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