

Technical Data

1. PRODUCT NAME

TK-CCS CONCRETE COLORED STAIN

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

TK-CCS is a high solids chlorinated rubber concrete curing, sealing and protector, designed to hide variations of shading in concrete due to placement and finishing procedures. The practice of incorporating extenders and additives (concrete admixes, fly ash) to the concrete mix, can produce an inconsistency in the porosity of the concrete causing some areas of the finished concrete to appear darker than others.

As a stain, TK-CCS covers these inconsistencies, imparts an attractive finish and allows good penetration and adhesion, unlike simple coating products. The material is formulated from the TRI-KOTE 26 base, therefore, it offers curing sealing and hardening capabilities as well as the fine abrasion resistance, and chemical resistance qualities gained from TRI-KOTE 26. (For information on TRI-KOTE 26, see TK-26 Technical Data Sheet).

Basic Uses:

TK-CCS was designed to offer the protection from deicing chemicals of our TRI-KOTE 26 along with a stain for color uniformity. It can be used for either interior or exterior applications on any horizontal finished concrete surface.

TK-CCS offers great curing properties for freshly poured

concrete, but should be resealed after the concrete has cured and dried out (1 to 2 months old) to get penetration into the pores and capillaries of the concrete.

TK-CCS works well on concrete that has scaled and has been patched. First it seals the surface so water and deicing chemicals can not get beneath the patch and pop it out. Secondly it covers the dissimilar colors found between normal concrete and patching materials.

For vertical surfaces (parapet walls, poured walls, etc.) use our TK-DOT STAIN.

4. TECHNICAL DATA

Composition:

Chlorinated rubber with a fast drying aromatic hydrocarbon solvent.

-Flash Point: 81° F

-Drying time: 1 hour

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

A.I.M. Definition: TK-CCS 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 ultra violet light, and provide adhesion promotion qualities. The coating meets 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.

Specifications:

TRI-KOTE 26 (the base formulation) meets with the following standards: ASTM C-1315-95, Type 1, Class B & C; TT-C-800; ASTM C-309; AASHTO Des. M-148-82; DE CRD-C-300.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Installation:

TK-CCS can be used for application on new or aged concrete; it is compatible with most chlorinated rubber or acrylic based curing and sealing compounds. The finished appearance of the coating is a glossy gray, and blends well with the natural color of the concrete. The coating does not yellow or discolor. This material can be used on industrial, commercial and residential applications.

Preparation:

Stir thoroughly before using. It is recommended to take the cover off the container and make sure all the pigment is off the bottom, and mixed thoroughly. Concrete surface must be free of oil or grease and soil. Repair all existing cracks, scaling or spalled areas. Remove incompatible coatings or curing compounds with strippers or power equipment. Clean with Trisodium Phosphate; rinse thoroughly and allow to dry. It is recommended that the concrete is acid washed, to remove latents and to open up the pores to accept the stain.

Application:

Apply with a long nap applicator or paint roller to distribute the compound evenly. Airless sprayer or low pressure (20-30 lbs.) can be used. Avoid heavy accumulations.

Limitation:

Apply in temperatures above 40 degrees F. Cold weather applications can be made under prescribed conditions and procedures specified by TK Products.

TK-CCS will not penetrate wet-surface dry concrete, be sure the concrete surface is dry.

Weak and/or dusty surfaces will keep the pigment from penetrating and cause it to flake off.

Not for use on asphalt, or surfaces subject to immersion or constant liquid contact.

As with all colored coatings TK-CCS will be a maintenance item that will need recoating, dependent on the use.

Not recommended on hard troweled industrial floors where there is a lot of wheel traffic.

Polypropylene fiber mesh in concrete will be more pronounced when TK-CCS is applied over it.

Coverage:

Apply at 200 - 300 sq. ft. per gallon. If second coat is desired, apply at 300 - 400 sq. ft. per gallon.

Coverage rates will always be dependent upon the porosity of the concrete.

Clean Up:

Use TK-00 Solvent. For sprayers, pump the solvent through the spray equipment to remove residue of material, which can clog the hose and wand assembly.

Precautions:

TK-CCS contains aromatic hydrocarbon. Keep away from heat and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breathe vapor or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Close container after each use. Avoid contact with eyes, skin, and clothing. Wash after handling. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated. TK-CCS in its cured state is not toxic.

Maintenance:

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

6. AVAILABILITY

TK-CCS is available through TK Distributors. Contact TK PRODUCTS for the nearest distributor. Packaged in: 55 gallon drums, 5 gallon pails, and one gallon cans.

7. 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
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