



TK-2671 CLEAR EPOXY CONCRETE PROTECTIVE COATING

WATERPROOFING SEALER AND TREATMENT

Meets Federal EPA's VOC Requirements

PRODUCTS

Division of Sierra Corporation

Technical Data



PRODUCTS

3

TK-2671 CLEAR EPOXY TREATMENT
Waterproofing Sealer

1. PRODUCT NAME

TK-2671 CLEAR EPOXY CONCRETE PROTECTIVE COATING

2. MANUFACTURER

TK PRODUCTS, DIVISION OF SIERRA CORPORATION

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3. PRODUCT DESCRIPTION

TK-2671 is a two component epoxy resin penetrating waterproofing sealant for concrete. Formulated as a preventive treatment, as well as for maintenance and repair work, the coating prevents deterioration of the slab caused by infiltration of moisture; prevents ion chloride (found in deicing chemicals) from being carried to the concrete by snow and ice/melt, damaging not only the concrete, but corroding the re-bar as well. Concrete surfaces sealed with TK-2671 resist corrosive damage caused by chemicals, grease and oil.

Basic Uses:

TK-2671 can be used for sealing both new and existing concrete on interior and exterior applications on such projects as highways, bridge decks, parking ramps, bus/truck terminals, median strips and barriers, industrial buildings, airport runways.

4. TECHNICAL DATA

Composition:

Part A, epoxy resin; Part B, the catalyst, is a polyamide.

Properties:

Total solids by weight:	32% (mixed)
Color:	Clear amber
Potlife:	2 hours (1 gallon mix)
Viscosity:	15-40 cps
Weight per gallon:	Part A, 8.5 lbs. Part B, 7.25 lbs.

Specification/Testing:

TK-2671 has been formulated to meet and/or exceed the following specifications:
 -ASTM C-140 Moisture Absorption Barrier.
 -ASTM C-507 Wear Surface Strength.
 -ASTM C-672 Scaling.
 -MN, IA, OH D.O.T. Special Test Evaluating Surface Coating for concrete, salt and freeze/thaw deterioration. Raw materials used in this formulation have been generically tested for evaluation and were proven efficient.

-A.I.M. Category: Waterproofing Sealer and Treatment - maximum VOC 600g/l.

A.I.M. Definition: A coating formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Surface Preparations:

Remove all foreign matter from surface, including grease and oil, curing compounds, weak sections, and laitance. Oil and grease can be removed with a very hot solution of TK-101 Chemical

Cleaner. Curing compounds can be removed with TK-00 Solvent, followed by a thorough hosing with clear water. Weak and deteriorating concrete can be scarified, grit blasted, bush hammered, or by other adequate mechanical means.

Application:

By conventional sprayer, airless spray or roller.

Mixing:

TK-2671 will blend better if both parts are at or above 50°F. Do not mix more of the sealant than can be used during the potlife of the material. Mixing ratio of the two components is 1 to 1 by volume not weight. Stir each part separately before blending the two together using a low powered mechanical mixer. Hand mixing with a stirrer must be done thoroughly to assure uniform curing and top end results. After blending, allow the material to set for one hour. This induction period, along with thorough blending, is necessary for maximum performance of the material.

Application Rates and Cure Time:

Recommended rate of coverage on hardened concrete (28 days) is two coats each at 400 sq. ft. per gallon; existing dusting concrete will require at least two coats at the same rate; and glossy finishes will require an additional coat. As with any other type of concrete sealing compound, the porosity of the concrete and the

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3

PRODUCTS



type of finish, will affect the amount of coverage rate.

The second coat (or third, when necessary) can be applied after the first coat has become tack free. Skid and wear resistance can be achieved by scattering silica sand over the final coat using 1 to 1-1/2 pound per square yard.

At 72°F, TK-2671 will cure in four to six hours and can be open to traffic as soon as it is tack free. In 72 hours, the material will have completed its intended results.

Limitations:

Apply TK-2671 in temperatures of at least 40°F. This product contains a flammable liquid (xy-lene) and is shipped under red label. Cautions regarding the use of products containing flammable solvents should be fully read, understood and practiced for the health and safety of all concerned. Use adequate ventilation in enclosed areas or use approved and properly fitted respirator. Keep away from heat, sparks and open flame. Do not use where foodstuffs are stored or where animals are quartered; these areas can be treated, or repairs made, if food and/or animals are removed until the vapors have dissipated. TK-2671 in its cured state is not toxic.

Clean Up:

Use TK-00 Solvent, MIBK or MEK.

Interior Use:

TURN OFF ALL PILOT LIGHTS. USE WITH ADEQUATE VENTILATION. Do not allow vapors to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated and coating is completely dry. TK-2671 in its cured state is not toxic.

First Aid:

Inhalation: Remove person to fresh air, give artificial respiration if not breathing. GET MEDICAL HELP.

Eye and Skin Contact: Wash with large quantities of clean water for 15 minutes.

Ingestion: DO NOT INDUCE VOMITING, GET MEDICAL HELP.

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.

For safety control, Material Safety Data Sheets are available from TK Distributors and the TK office. This information should be read before using the product.

6. AVAILABILITY

TK-2671 is packaged in two gallon units, and ten gallon units, (1 gallon each of Part A and Part B; 5 gallons each part A and part B).

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
PO BOX 1213
Englewood, CO 80150
Information Marketing Services
13271 Northend
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4/02