



# TK-EPOXY WATERPROOFING COATING

## Waterproofing Sealer and Treatment

Item No. TK-2671 Low Solids/TK-2675 High Solids

### PRODUCT DESCRIPTION

TK-EPOXY WATERPROOFING COATING is a two-component, penetrating, waterproofing, epoxy resin sealant for concrete. Formulated as a preventative treatment - although it may also be used for maintenance and repair work - TK-EPOXY WATERPROOFING COATING prevents corrosion and deterioration of concrete (and re-bar) due to moisture infiltration and chloride ion attack.

#### Features:

- Penetrates the surface to provide ultimate protection from within.
- Prevents costly corrosion and damage caused by moisture, chemicals, grease or oils.

### USES:

Suitable for interior or exterior use on new or existing concrete highways, bridge decks, parking ramps, bus/truck terminals, median strips and barriers, industrial buildings and airport runways.

### APPLICATION PROCEDURES:

#### PREPARATION:

Remove all foreign matter from the surface including grease, oil, curing compounds, weak sections and laitance. Oil and grease may be removed with a very hot solution of TK-CHEMICAL CLEANER 101\*. Curing compounds may be removed with TK-00 SOLVENT\* followed with a thorough hosing of clear water. Weak and deteriorating concrete can be scarified, grit blasted, bush hammered or removed by adequate mechanical means.

#### MIXING:

The mixing ratio for the two-components is 1:1 mixed by volume, not weight. TK-EPOXY WATERPROOFING COATING will blend better if both components are at or above 50°F. Do not mix more of the sealant than can be used during the pot life of the material.

Stir each component individually before blending the two together using a low powered mechanical mixer. If hand mixing with a stirrer, it must be done thoroughly to ensure uniform curing and best results. After blending, allow the material to set for 30 minutes. This induction period, along with thorough blending is necessary for maximum performance of the material.

#### APPLICATION:

Apply with a conventional sprayer, airless spray or roller. Additional coats may be applied after the previous coat has become tack free. Skid and wear resistance may be achieved by scattering silica sand over the final coat using a rate of 1 to 1-1/2 pound per square yard.

#### DRYING TIME:

At 72°F, TK-EPOXY WATERPROOFING COATING will cure in 4-6 hours and the surface may be reopened to traffic as soon as the coating is tack free. Within 72 hours the material will have completed it's intended results.

#### CLEAN UP:

Clean tools, equipment and spills with TK-00 SOLVENT\* before the material dries.

### TECHNICAL DATA

#### TK-2671 Low Solids physical properties:

Solids by Weight:	37.2%
Color:	Clear amber
Pot Life:	2-4 hours (1-gallon mix)
Viscosity:	15-40 cps
Weight per Gallon:	Part A - 8.5 lbs. Part B - 7.25 lbs.
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealer and Treatment Maximum VOC 600 g/l

#### TK-2675 High Solids physical properties:

Solids by Weight:	50.3%
Color:	Clear amber
Pot Life:	2-4 hours (1-gallon mix)
Viscosity:	< 30 cps
Weight per Gallon:	Part A - 8.74 lbs. Part B - 7.22 lbs.
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealer and Treatment Maximum VOC 600 g/l

#### Applicable Standards

- ASTM C-140 Moisture Absorption Barrier
- ASTM C-507 Wear Surface Strength
- ASTM C-672 Scaling
- D.O.T. Special Test Evaluating Surface Coating for concrete, salt and freeze/thaw deterioration

### **COVERAGE:**

The recommended rate of coverage for hardened (28 days old) concrete is two coats at 400 square feet per gallon. Existing, dusting concrete will require at least two coats at 400 square feet per gallon, and glossy finishes will require an additional coat.

**As with any other type of concrete sealing compound, the porosity of the concrete and the type of finish will affect the actual coverage rate.**

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.

### **LIMITATIONS:**

- Apply in temperatures above 50°F.

### **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-EPOXY WATERPROOFING COATING is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 10-gallon kit (5-gallon part A + 5-gallon part B) and 2 gallon kit (1-gallon part A + 1-gallon part B) units.

#### **Available in two formulations:**

- 1) TK-2671 (Low Solids) formulation meets the VOC content regulations of the Federal EPA. Maximum VOC content 600 g/l.
- 2) TK-2675 (High Solids) formulation meets the VOC content regulations of the Federal EPA, Ozone Transport Commission (OTC), and Lake Michigan Air Directors Consortium (LADCO). Maximum VOC content 400 g/l.

FOR PROFESSIONAL USE ONLY

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