



# TK-WATER & OIL REPELLENT 592

## Deep Penetrating Concrete Treatment

Item No. TK-592

### PRODUCT DESCRIPTION

TK-WATER & OIL REPELLENT 592 is a single component, ultra low viscosity, deep penetrating water and oil repellent for concrete. It offers invisible protection against staining and structural damage caused by contact with water, waterborne salts, deicing chemicals and oil.

#### Features:

- Chemically bonds with the surface, unlike typical surface penetrating sealers which are only physically bonded.
- Allows the substrate to breathe and prevents structure damage due to trapped water and waterborne salts.
- Ultra low viscosity for maximum surface penetration.
- No need for additional sealers (membrane forming) to prevent staining.

### USES:

Suitable for residential, commercial or industrial use to protect concrete, masonry, burnish block, CMU, single wythe or any cementitious surface. Applications include parking structures, bridge decks, piers and pilings, bridge seats and commercial/warehousing floors and driveways. May also be used to protect granite and similarly dense, color-sensitive materials.

### APPLICATION PROCEDURES:

#### PREPARATION:

Before using this product, read the Safety Data Sheet for complete safety information.

All surfaces to be treated must be clean and structurally sound. Thoroughly clean surfaces to remove all grease, oils, form oils or other contaminants. Best results are obtained by applying TK-WATER & OIL REPELLENT 592 to dry surfaces. It is recommended that surface temperatures be 35°F or above at the time of application to ensure that surfaces are frost-free.

*Existing Concrete preparation* - Unsound concrete should be removed and cracks or deteriorated areas repaired prior to application. Surfaces may need to be mechanically abraded to achieve maximum penetration.

*New Concrete preparation* - Water cure fresh concrete. As a standard procedure, allow new concrete to thoroughly cure (usually between 14-28 days) following placement before applying this product.

**A test patch should always be performed to determine proper results and coverage rates prior to application.**

#### MIXING:

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

#### APPLICATION:

Apply by brush, roller or low-pressure spray equipment in a uniform manner and at a sufficient rate to fully saturate the surface. Protect surrounding surfaces from overspray.

*Vertical Surface application* - Begin at the bottom of the wall and work up. Completely saturate the wall while feeding a 4-6" rundown. Use uniform application methods and avoid overlapping when moving lifts or scaffolding. Avoid puddling at the base of the wall. When applying to porous surfaces and light-weight block, a second coat may be required.

*Horizontal Surface application* - Completely saturate the surface without allowing pooling or puddling to occur. If pools or puddles do form, they may be evenly distributed by brush or roller.

*Granite/Similar Surface application* - Apply a thin coat using a lambs-wool applicator. Do not over-apply or allow puddles or pools to form on the surface.

#### CLEAN UP:

Clean tools, equipment and spills with mineral spirits before the material dries.

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### TECHNICAL DATA

Color:	Clear/water-white
% Actives:	> 90%
Flash Point:	105°F
Drying Time (70°F)	
Tack Free:	1-6 hours
Recoat:	6-24 hours
Full Cure:	48-72 hours
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealers and Treatments Maximum VOC 600 g/l

### APPLICABLE STANDARDS

- ASTM 672-98: Scaling Resistance to Deicing Chemicals
- ASTM 642-75: Water Absorption
- AASHTO T-259/260: Chloride Penetration

**COVERAGE:**

The typical coverage rate is 150-200 square feet per gallon. Very porous surfaces may require additional coat(s).

Surface	Coverage
Bridge Decks:	250-400 square feet/gallon
Resealing Bridge Decks	250-400 square feet/gallon
Smooth Concrete:	200-400 square feet/gallon
Exposed Aggregate:	300-600 square feet/gallon
Concrete Block:	50-100 square feet/gallon
Granite/Similar surfaces:	300-600 square feet/gallon

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

**MAINTENANCE:**

TK-WATER & OIL REPELLENT 592 will not prevent stains when oil deposits are left on the surface for extended periods. Oil spills, leaks and accumulations should PROMPTLY be wiped and removed as they may otherwise stain the surface and be difficult to remove.

**LIMITATIONS:**

- Do not use below-grade or under hydrostatic pressure.
- Not for use on asphalt or other non-cementitious surfaces.
- Do not apply if wet or inclement weather are anticipated within 4 hours application.
- Cover adjacent surfaces with a drop cloth or tarp to prevent damage.
- The typical usable temperature range of this product is 35°F-90°F.
- Use with adequate ventilation.

**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-WATER & OIL REPELLENT 592 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

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