



TK-TRI-SILOXANE 290 FINAL SEAL

Deep Penetrating Final Sealer

Item No. TK-290 FINAL SEAL

PRODUCT DESCRIPTION

TK-TRI-SILOXANE 290 FINAL SEAL is a low viscosity, breathable, deep penetrating water repellent for concrete and masonry. Due to its unique formulation, TK-TRI-SILOXANE 290 FINAL SEAL may be applied as a final sealer to concrete that was previously coated with a cure and seal compound. FINAL SEAL resolvates the cure and seal resin, penetrating into the surface and sealing it off from water and harmful deicers.

Features:

- Forms a chemical, and permanent, bond with the substrate to provide ultimate protection against damage due to water and deicing chemical intrusion, acid rain, freeze/thaw exposure, airborne dirt, smog, industrial fumes and most other atmospheric chemicals.
- Penetrates up to 1/4" and eliminates surface moisture which can lead to spalling, freeze damage and rebar corrosion.
- Outperforms typical water repellents which can only bond physically with the surface and thus provide marginal protection.
- The coating is colorless, non-staining and non-yellowing.

USES:

Suitable for vertical or horizontal use on exterior above-grade concrete, burnish block, CMU, single wythe, masonry or cementitious surfaces. Applications include parking structures, concrete driveways, sidewalks, porches and patios, concrete parking lots, natural and synthetic stone, precast concrete and poured concrete walls.

APPLICATION PROCEDURES:

PREPARATION:

Before using this product, thoroughly read and understand this product's label, technical data sheet and Safety Data Sheet (SDS).

All surfaces to be treated must be clean and structurally sound. Thoroughly clean surfaces to remove all grease, oils, form oils or other contaminants.

MIXING:

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

APPLICATION:

Final Seal is supplied ready to use. To ensure substrate is frost free, it is recommended that the surface temperature be at least 40°F (4.4°C). Apply in a uniform manner in sufficient quantity to completely saturate the substrate, approximately 150 ft²/gallon. Keep application work areas small, utilize control joints and natural break points to eliminate lapping. Back roll until the concrete has changed in color to a darkened wet look. This indicates that the sealer has been re-solvated. Continue rolling until liquid stops moving or resin begins to cob-web on the roller. Keep container closed when not in use. If spilled, eliminate all sources of ignition.

TECHNICAL DATA

Composition and Materials:	An oligomeric, organosiloxane, aromatic solvent water repellent.
Density:	6.72 lbs
Flash Point:	76°F
VOC Content**:	> 700 g/l
A.I.M. Category:	Waterproofing Sealers and Treatments Maximum VOC 600 g/l
Applicable Standards:	- ASTM C666 Resistance of Concrete to Rapid Freezing and Thawing - ASTM C672 Scaling Resistance - AASHTL T259 Resistance of Concrete to Chloride Ion Penetration - NCHRP 244 (water absorption, % water vapor transmission and % reduction in chloride intrusion)

** Exceeds VOC content limit. Exceedance fee has been paid.

TYPICAL PROPERTIES

TK-TRI-SILOXANE 290 FINAL SEAL is characterized by the following properties:

- Excellent penetration
- High alkali resistance and suitability for either alkaline or neutral substrates
- Low volatility
- Dries tack free
- Provides early water repellency
- Exhibits droplet effect

Contain spilled material and remove with inert absorbent using non-sparking tools. Dispose of contaminated absorbent, container, and unused contents in accordance with all applicable regulations.

CLEAN UP:

Clean tools, equipment and spills with TK-00 XYLENE*.

COVERAGE:

The recommended coverage rate for most concrete substrates is 150 square feet per gallon. Very porous surfaces may require two coats.

Surface	Coverage
Concrete driveways, sidewalks, patios	150-250 square feet/gallon
Bridge decks/ramps	100-200 square feet/gallon
Smooth concrete	125-225 square feet/gallon
Exposed aggregate:	100-200 square feet/gallon
Concrete block:	50-100 square feet/gallon
Brick/stone	60-200 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:

If wear patterns occur, TK-TRI-SILOXANE 290 FINAL SEAL may be reapplied to affected areas.

LIMITATIONS:

- Do not use below-grade or under hydrostatic pressure.
- Do not apply if rain is expected within 4-6 hours of application.
- Application to inappropriate or non-compatible substrates may affect adhesion of subsequent coatings.
- Use with adequate ventilation.
- Not suitable for use on gypsum.

PROTECTION OF VEGETATION, GLASS AND ALUMINUM SURFACES:

Avoid contact with live vegetation, glass and aluminum. If properly protecting these surfaces is impractical, the following steps should be performed:

- 1) Minimize contact of TK-TRI-SILOXANE 290 FINAL SEAL with live vegetation, glass and aluminum surfaces.
- 2) If TK-TRI-SILOXANE 290 FINAL SEAL comes into contact with glass or aluminum, thoroughly clean surfaces with Windex® or an ammonia cleaner while the material is still wet.

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-TRI-SILOXANE 290 FINAL SEAL 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

NOTES:

*TK-00 XYLENE must be purchased separately

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CONDITIONS OF SALE/ LIMITED WARRANTY

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