TK-290™
PRODUCT DATA SHEET

DESCRIPTION

TK-290 is a low viscosity, multi-substrate, salt and water repellent. Engineered to prevent damage from environmental conditions including: de-icing agents, salts, freeze damage, efflorescence, scaling, and surface popping. TK-290 is a solvent-based formulation to penetrate up to 1/4 inch (6.35 mm) and chemically bond with the substrate to become a permanent part, prohibiting salt, water, chloride ion, and acid rain intrusion. This protection ensures the longest life-cycle to the substrate by preventing surface deterioration.

USES:

TK-290 is suitable for both vertical and horizontal, above-grade exterior surfaces. Typical surfaces include:

- Concrete & Cementitious Surfaces
- Pavers / Brick / Clay Brick
- Travertine
- Limestone
- Slate
- All Light Commercial
- Ramps
- Parking Structures
- Marine Piers & Pilings
- Multi-Family Housing
- Theme & Water Parks
- Healthcare & Educational
- Government & Historical
- Industrial & Business Parks
- Warehousing

BENEFITS:

- Meets the VOC Regulatory Compliance for AIM
- Non-Film Forming – Maintains the surfaces slip resistance (coefficient of friction)
- Non-Color Enhancing – Will not alter the appearance of the substrate and will not yellow
- Performance – Outperforms typical water repellents due to its superior penetration and bonding properties

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-TRI-SILOXANE 290 to dry surfaces. It is recommended that surface temperatures be 40°F or above at the time of application to ensure that surfaces are frost-free.

Existing Concrete preparation - Remove unsound concrete and repair cracks or deteriorated areas prior to application. Surfaces may require manual abrasion to achieve maximum penetration.

New Concrete Preparation: Water cure fresh concrete. As a standard procedure, allow new concrete to thoroughly cure (typically 14 to 28 days) 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. It is unlawful to further dilute with non-exempt solvents.

APPLICATION:

Apply by roller or spray equipment in a uniform manner and in sufficient quantity to completely wet out the substrate with a minimum of 2-inch run down. The recommended coverage rate for most concrete substrates is 125 square feet per gallon. Very porous surfaces may require two coats.

CLEAN UP

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

COVERAGE

The recommended coverage rate for most concrete substrates is 125 square feet per gallon. Very porous surfaces may require two coats.

Surface	Coverage
Bridge decks/ramps:	100-200 square feet per gallon
Smooth concrete:	150-250 square feet per gallon
Exposed aggregate:	100-200 square feet per gallon
Concrete block:	40-100 square feet per gallon
Burnished block:	150 square feet per gallon

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

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 incompatible 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 with live vegetation, glass, and aluminum surfaces.
2. If TK-TRI-SILOXANE 290 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.

NOTES

*TK-00 XYLENE must be purchased separately

REVISIONS

LAST: 11/18

PREVIOUS: 03/15

MANUFACTURER PART #'S

Size	Item Code
240-GALLON	TK-290 TOTE 240
55-GALLON	TK-290 55 CL.HD
5-GALLON	TK-290 5L PHEN PS
1-GALLON	TK-290 G. F STYLE

VOC REGULATORY COMPLIANCE

AIM	OTC	LADCO	CARB	SCAQMD	CANADA
✓					

TECHNICAL DATA INFORMATION

Composition and Materials:	An oligomeric, organosiloxane water repellent
Density:	6.72 lbs.
Flash Point:	> 100°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 NCHRP 244 (water absorption, % water vapor transmission, and % reduction in chloride intrusion) TYPICAL PROPERTIES TK-TRI-SILOXANE 290 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 ** Exceeds VOC content limit. Exceedance fee has been paid.