

TK-290 WB™ PRODUCT DATA SHEET



DESCRIPTION

TK-290 WB is a waterborne silane/siloxane, multi-substrate, salt and water repellent. Engineered to prevent damage from environmental conditions including: de-icing agents, salts, freeze damage, efflorescence, scaling, surface popping, and the damaging effects of acid rain. TK-290 WB is formulated to penetrate up to 1/8 inch (3.175 mm) and chemically bond with the substrate to become a permanent part, prohibiting salt, water, and chloride ion intrusion. This protection ensures the longest life-cycle to the substrate by preventing surface deterioration.

USES:

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

- Concrete & Cementitious Surfaces
- Pavers / Brick / Clay Brick
- Precast Concrete
- Poured Concrete Walls
- Split Face Block
- CMU
- Synthetic Stone
- Glazed Brick / Block
- Gypsum
- Stucco

BENEFITS:

- Low VOC – Meets the VOC Regulatory Compliance for AIM, OTC, LADCO, CARB, SCAQMD, CANADA
- 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 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. Only apply TK-290 WB 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. The product may be applied sooner under prescribed conditions and procedures specified by TK Products.

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. Do not thin or dilute.



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. Avoid puddling on horizontal surfaces. Very porous surfaces may require two coats.

Decorative Block application - When applying to decorative block or substrates where darkening of the surface is undesirable, fully saturate the surface with no rundown.

CLEAN UP

Clean tools, equipment, and spills with soap and water before the material dries.

COVERAGE

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

| Surface | Coverage |
|--------------------|--------------------------------|
| Smooth concrete: | 150-250 square feet per gallon |
| Exposed aggregate: | 100-200 square feet per gallon |
| Concrete block: | 40-100 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

- KEEP FROM FREEZING
- Do not use below-grade or under hydrostatic pressure
- Do not apply if rain is expected within 4 to 6 hours of application
- Over application may cause darkening or discoloration of the surface
- Application to inappropriate or incompatible substrates may affect adhesion of subsequent coatings
- Use with adequate ventilation
- May leave a waxy coating if over-applied or applied over sealed surfaces
- 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-290 WB** with live vegetation, glass, and aluminum surfaces.
2. If **TK-290 WB** 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-DC WB DISSIPATING CURING COMPOUND 2519 must be purchased separately

TECHNICAL DATA INFORMATION

| Surface | Coverage |
|-----------------------------------|---|
| Composition and Materials: | A waterborne, silane/siloxane water repellent |
| Density: | 6.72 lbs |
| Flash Point: | 40°F |
| VOC Content**: | < 120 g/l |
| A.I.M. Category: | Low Solids Coating |
| Maximum VOC: | 120 g/l |

| Surface | Coverage |
|------------------------------|--|
| 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-290 WB 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 |

MANUFACTURER PART #'S

| Size | Item Code |
|------------|-----------------------|
| 275-GALLON | TK-290 WB TOTE 275 |
| 55-GALLON | TK-290 WB 55 CL.HD |
| 5-GALLON | TK-290 WB 5L PLSTC PS |
| 1-GALLON | TK-290 WB G.F. PLS |