



VOC Regulatory Compliance:



ISO 9001 CERTIFIED

TK-TRI-METHOXANE 2300

Severe Duty Masonry Coating | NTPEP Evaluated

Item No. TK-2300 (smooth), TK-2300-201 (fine), TK-2300-301 (medium), TK-2300-401 (coarse)

PRODUCT DESCRIPTION

TK-TRI-METHOXANE 2300 is a single-component coating designed to protect "severe duty" surfaces from the abuse of everyday traffic, road maintenance equipment and harsh salt applications - all with the look of a decorative finish. Available in a variety of textures and standard or custom colored options.

Features:

- The water repellency of a silane with the look of a decorative texture.
- Single-component - no on-site mixing.
- May be applied to fresh "green" concrete in place of standard curing compounds.
- Superb protection from deicing chemicals.
- Superior adhesion, penetration and long-term color retention.
- Quick dry for shorter lane closures and downtimes.
- Helps stop wind driven rain even on the most porous of buildings.
- Excellent self-cleaning properties.

USES:

Suitable for use on above-grade vertical applications including concrete, masonry, block, brick or precast panels. Ideal for on-grade or near-road areas such as J barriers, Type A median barriers, F rail, decorative rail, parapet walls and areas subjected to harsh conditions due to deicing salts, road maintenance equipment and everyday traffic.

APPLICATION PROCEDURES:

PREPARATION:

Proper preparation of the surface is critical to the long-term performance of TK-TRI-METHOXANE 2300. All surfaces must be dry, sound and in stable condition and must be free from form oils, waxes, curing compounds, efflorescence, paint or previous coatings. All patching and sack rubbing must be complete, be in sound condition and exhibit no dusting.

Surfaces should be water blasted using a minimum 3000 PSI spray. If previous coatings are still present or if the surface still appears to be sealed, a light sandblast or brushblast may be required.

When applying over fresh or green concrete as a curing compound, allow any bleed water to dissipate before application of TK-TRI-METHOXANE 2300.

APPLICATION:

A test area of 50 square feet should be applied to the prepared surface to check for surface qualification, adhesion and color approval before proceeding with full application.

TK-TRI-METHOXANE 2300 may be applied by brush, roller or spray. Generally only one coat is required, however, block buildings and very porous surfaces may require multiple coats.

TECHNICAL DATA	
Composition and Materials:	A blend of proprietary resins including methyl acrylics and silanes.
A.I.M. Category:	Waterproofing Sealer, Concrete/Masonry Maximum VOC 600 g/L
Total Solids (Solids by Mass) ASTM D5095:	72%
VOC Content ASTM D3960:	388 g/L
Viscosity (Stormer @ 25°C) ASTM D562:	102 KU
Sag Resistance ASTM D4400:	39 mils
Minimum Dry to Touch (Concrete) ASTM D1640: Minimum Dry to Handle (Concrete) ASTM D1640:	1 hour, 25 minutes 2 hours, 25 minutes
Initial Gloss at 60°:	3% flat

PERFORMANCE TESTING DATA (as conducted by an independent testing firm)	
Chloride Ion Penetration (Reduction %) AASHTO T259 & T260:	87%
Moisture Vapor Transmission NTPEP Procedure:	0.213 MVT Breathable

UV EXPOSURE ASTM D 4587	
Color Retention:	0.84 DE (@ 2504 hours)
60% Gloss Retention:	71.50%
Blistering (ASTM D714:)	0 (No Blistering @ 2504 hours)
Effluorescence (ASTM D7072:)	None (@ 2504 hours)
Fungal Resistance (ASTM D3273:)	10 (No Fungal Growth @ 2504 hours)

Adhesion to Concrete ASTM D7234:	Pre-UV Exposure Post-UV Exposure	638.8 psi 842.2 psi
Adhesion to Concrete over Repaired Defects ASTM D7234:	Pre-UV Exposure Post-UV Exposure	594 psi 668 psi
Resistance to Freeze/Thaw Cycles AASHTO T161 & Adhesion to Concrete ASTM D7234:	Pre-Freeze/Thaw Exposure Post-Freeze/Thaw Exposure	638.8 psi 352.4 psi

PERFORMANCE TESTING DATA CONTINUED ON PAGE 2

COVERAGE:

Typical coverage rate is approximately 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.

CLEAN UP:

Clean tools and equipment with xylol immediately following application.

LIMITATIONS:

- Do not apply over sealants or flexible attachments.
- Do not apply to frozen or frost covered surfaces.
- Air temperature must be above freezing and must remain so for seven (7) days following application.
- Avoid application when rain is forecast within 24 hours of application or during windy conditions.

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-METHOXANE 2300 is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in four texture grades:

- Smooth (TK-2300-0)
- Fine (TK-2300-2)
- Medium (TK-2300-3)
- Coarse (TK-2300-4)

Available in standard or custom colored options. Please submit color standards for pricing.

Packaged in 55-gallon drums and 5-gallon pails.

FOR PROFESSIONAL USE ONLY

PERFORMANCE TESTING DATA

(as conducted by an independent testing firm)

Resistance to Freeze/Thaw Cycles AASHTO T161 & Adhesion to Concrete over Repaired Defects ASTM D7234: Pre-Freeze/Thaw Exposure Post-Freeze/Thaw Exposure	594 psi 454.7 psi
Scaling Resistance ASTM C 672:	No scaling @ 50 cycles
Pull-Off Adhesion Strength ASTM D 7234:	320 psi
Water Retention ASTM C 156:	.444 kg/m ²

Overcoatability and Graffiti Resistance (Hiding Power)**NTPEP Procedure:**

NTPEP Procedure:	
Over Spray Paint	0.60 DE (@ 2504 hours + 30 day cure)
Over Marker	0.69 DE (@ 2504 hours + 30 day cure)
60° Gloss Retention	
Over Spray Paint	191.50% (@ 2504 hours + 30 day cure)
Over Marker	193.60% (@ 2504 hours + 30 day cure)

CONDITIONS OF SALE/ LIMITED WARRANTY

TK Products, division of the Sierra Corporation, warrants that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of TK Products' product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. **SHOULD ANY TK PRODUCTS' PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF TK PRODUCTS' PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.** TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing.

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also CONDITIONS OF SALE/ LIMITED WARRANTY (Section 7) above.

03/16 Last Rev. 03/15

**TK Products Construction Coatings**

11400 West 47th Street Minnetonka, MN 55343

800-441-2129 toll free | 952-938-8084 fax | www.tkproducts.com

Page 2 of 2

TK-TRI-METHOXANE 2300