



TK-TRI-METHOXANE 2300

Severe Duty Masonry Coating

Item No. TK-2300-0 (smooth), TK-2300-2 (fine), TK-2300-3 (medium), TK-2300-4 (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.

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.

TECHNICAL DATA

Composition and Materials:	A blend of proprietary resins including methyl acrylics and silanes.
% Solids by Weight:	71.6%
Viscosity at 77°F:	100-110 KU
Desired Dry Film:	10-12 mils
Initial Gloss at 60°:	3% flat
Dry Time	
To Touch:	1-2 hours
Recoat:	4-8 hours
Full Cure:	7 days
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealer, Concrete/Masonry Maximum VOC 600 g/l

TESTING DATA

Applicable Standards (as conducted by an independent testing firm)	
AASHTO T259/260	Chloride Ion Penetration Test
ASTM C 672	Scaling Resistance
ASTM D 4587	Fluorescent UV Condensation Exposure
ASTM D 660	Checking of Exterior Paints
ASTM D 661	Cracking of Exterior Paints
ASTM D 714	Blistering of Exterior Paints
ASTM D 4214	Chalking of Exterior Paints
ASTM D 3359	Adhesion by Tape
ASTM D 2244	Color Tolerances and Color Differences
ASTM D 7234	Pull-off Adhesion Strength
ASTM C 1305	Crack Bridging
ASTM C 156	Water Retention

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), and 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

TK-TRI-METHOXANE 2300 has been field tested under MnDOT research project “SPECIAL SURFACE FINISH APPLIED TO CONCRETE J BARRIER”:

Locations:

- T.H. 36, 1/4th mile East of White Bear Avenue W.B.L. M.P. 7.4-7.5
- I-494, 1/8th mile East of Concord Avenue (52) W.B.L. M.P. 64.7-64.8

Results:

Of the various products tested, TK-TRI-METHOXANE 2300 visually outperformed all others by:

- Staying whiter longer
- Adhering better
- Resisting scaling and delamination
- Staying cleaner

Conclusion:

The product has endured the harsh deicing chemicals that are normally used in traffic control and neither scaling or delamination has occurred - therefore the concrete has been effectively protected.

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