

TK-6100 CONCRETE FORM SURFACE RETARDER

Meets Federal EPA, OTC, LADCO & VOC Requirements



PRODUCTS

Division of Sierra Corporation
ISO 9001:2008 Certified

Technical Data

1. PRODUCT NAME

TK-6100 CONCRETE FORM SURFACE RETARDER

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION

TK-6100 CONCRETE FORM SURFACE RETARDER is a water based, in-form cement set retarder. TK-6100 dries quickly and when dry, forms into a hard film with a scuff resistant surface. TK-6100 is designed to retard the set of the concrete to 1/8" to 3/16".

Due to its high concentration of complex inhibitors, TK-6100 may be safely and efficiently used on surfaces such as: steel, plastic, rubber, and elastomeric and styrofoam form liners. Unlike standard solvent based in-form retarders, TK-6100 does not reduce the long-term re-use of the surface.

BASIC USES:

TK-6100 CONCRETE FORM SURFACE RETARDER can be used on ornamental concrete, patio block, steps and stoops.

4. TECHNICAL DATA

-Appearance & Odor	Viscous liquid with no odor
-Specific Gravity	1.03
-Solvent	Water Based
-Flash Point	None
-Drying Time	15-45 Minutes (depending on temperature and humidity)
-V.O.C. Category	Concrete Surface Retarders

-A.I.M. Definition: A mixture of retarding ingredients such as extender pigments, primary pigments, resin, and solvent that

interact chemically with the cement to prevent hardening on the surface where the retarder is applied. This allows the retarded mix of cement and sand at the surface to be washed away to create an exposed aggregate finish.

-VOC Compliant
-VOC Content limit: 780 grams per liter (6.5 pounds per gallon)

5. APPLICATION PROCEDURES AND INSTRUCTIONS

1. Thoroughly and vigorously mix the contents of the retarder container with a flat paddle or electric paint mixer.

2. Apply to the form by brush, roller or airless sprayer in a 4-6 mil wet coat. Apply TK-6100 in a uniform full-body coat. When brush or roller are being used, it is recommended to apply two thin coats of TK-6100 in opposite directions. Be sure to allow sufficient drying time between coats. When applying by sprayer, a full-bodied coat will be adequate.

3. Allow TK-6100 to dry thoroughly (approximately 15-45 minutes).

4. Place concrete and vibrate in a timely fashion. Do not use the vibrator to move the coating of retarder to break from the form. Allow to cure. Note: TK-6100 has sufficient heat resistance - up to 140° F.

FINISHING:

1. Strip the concrete after an adequate curing cycle.

2. Matrix removal from concrete can now be easily accomplished by pressure water wash, dry brushing or light sandblasting. For best results, remove matrix about one hour after stripping.

3. Clean forms by scraping off residual retarder and/or matrix within one hour of stripping to avoid having it harden on the form.

COVERAGE

Coverage is approximately 150- 200 square feet per gallon.

LIMITATIONS

When concrete is to be dropped into the forms, or a vibrator is going to be used, the surface retarder should not be incorporated. The film or the form will break and move with the concrete, leaving an uneven exposed surface.

CLEAN UP

Rinse tools with water before the material dries.

FIRST AID

Ingestion: Do not induce vomiting. Dilute by giving large amounts of water and get immediate medical attention.
Inhalation: Relocate to fresh air and get medical attention.
Eye Contact: Do not rub, flush with clean water for 15 minutes.
Skin Contact: Remove by washing thoroughly with soap and water. If eye or skin irritation continues, seek medical attention.

For safety controls, Material Safety Data Sheets are available from TK Distributors, the TK Office or the TK Website. This information should be read before using this product.

6. AVAILABILITY

TK-6100 CONCRETE FORM SURFACE RETARDER is available through TK Distributors. Contact TK Products for the nearest distributor. Packaged in 55-gallon drums, 5-gallon pails, and one gallon containers.

7. 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,

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8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Services
PO Box 1213
Englewood, CO 80150
Information Marketing Services
13271 Northend
Oak Park, MI 48237

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