

TECHNICAL DATA

1. PRODUCT NAME

TK-6100 CONCRETE FORM SURFACE RETARDER

2. MANUFACTURER

TK PRODUCTS
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3. PRODUCT DESCRIPTION

TK-6100 CONCRETE FORM SURFACE RETARDER is a water based, in-form cement set retarder that is applied to vertical concrete surfaces to produce an exposed aggregate finish.

When applied to concrete, TK-6100 forms a hard film that retards the surface from 1/8" to 3/16" deep.

Removal of this film leaves behind the natural aggregate, sands and stones in the concrete to reveal an attractive exposed aggregate look. The surface is naturally durable with resistance to traffic, weather and skidding.

BASIC USES:

TK-6100 CONCRETE FORM SURFACE RETARDER is for vertical in-form ornamental concrete, patio block, steps and stoops.

Due to its high concentration of complex inhibitors, TK-6100 CONCRETE FORM SURFACE RETARDER may also be safely and efficiently used on steel, plastic, rubber and elastomeric or styrofoam form liners.

Unlike standard solvent-based in-form retarders, TK-6100 does not reduce the life and reuse of the form.

4. TECHNICAL DATA

PHYSICAL PROPERTIES

Appearance:	Viscous liquid
Odor:	Odor-free
Specific Gravity:	1.03
Solvent:	Water-based
Flash Point:	None
Drying Time*:	15-45 minutes

*Drying time is dependent on temperature and humidity

- A.I.M. 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

MIXING:

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

APPLICATION:

Apply TK-6100 CONCRETE FORM SURFACE RETARDER to the form by brush, roller or airless sprayer in a 4-6 mil wet coat and in a uniform fashion.

When applying by brush or roller, it is recommended to apply two thin coats of TK-6100 in opposite directions of each other. Be sure to allow sufficient drying time between coats.

When applying by sprayer, a full-bodied coat will be adequate.

Allow TK-6100 CONCRETE FORM SURFACE RETARDER to dry thoroughly (approximately 15-45 minutes).

Place concrete and vibrate in a timely fashion. Do not use the vibrator to move the concrete inside the form or it will cause the retarder coating to break away from the form. Allow to cure.

Note: TK-6100 has heat resistance up to 140° F.

FINISHING:

Strip the concrete after an adequate curing cycle.

Removal of the surface matrix from the concrete can now be easily accomplished by pressure washing, dry brushing or light sandblasting. For best results, remove matrix about one hour after stripping.

Clean forms by scraping off residual retarder and/or surface matrix within one hour of stripping to avoid hardening on the form.

COVERAGE:

Coverage is dependent on surface porosity and the condition of the surface at time of application.

Typical coverage rates are approximately 150-200 square feet per gallon.

LIMITATIONS

When concrete is to be dropped into forms, or if a vibrator is going to be used, TK-6100 CONCRETE FORM SURFACE RETARDER should not be incorporated. The film and/or the form will break and move with the concrete leaving an unevenly exposed surface. PROTECT FROM FREEZING.

CLEAN UP

Rinse tools with water before the material dries.

FIRST AID:

Ingestion: Do not induce vomiting; call a physician immediately.

Eye contact: Do not rub eyes. Flush with clean water for 15 minutes. If irritation persists, obtain medical assistance.

Skin contact: Remove by washing thoroughly with soap and water. If irritation persists, obtain medical assistance.

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 the 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

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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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