



# TK-CONCRETE FORM SURFACE RETARDER

## As Used to Create Vertical Aggregate Surfaces

Item No. TK-6100

### PRODUCT DESCRIPTION

TK-CONCRETE FORM SURFACE RETARDER is a water based, in-form cement set concrete surface retarder for application to freshly placed vertical concrete surfaces. It chemically retards, or delays, the set of the concrete to allow the top layer (known as surface mortar) to be removed revealing an attractive exposed aggregate finish.

#### Features:

- Removal of the film leaves behind the natural aggregate, sands and stones in the concrete to reveal a decorative aggregate finish.
- Provides from 1/8" to 3/16" depth retardation.
- Safe for use and easy to apply.
- Does not reduce the life and reuse of the form like standard solvent-based in-form retarders.
- Reduces costs by eliminating surface preparation necessary for subsequent coatings or methods.
- Odor and VOC free.

### USES:

Suitable for use on vertical, in-form concrete, patio block, steps and stoops. Due to its high concentration of complex inhibitors, it may also be safely used on steel, plastic, rubber, elastomeric and styrofoam form liners.

### APPLICATION PROCEDURES:

#### MIXING:

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

#### APPLICATION:

Apply TK-CONCRETE FORM SURFACE RETARDER to the form by brush, roller or airless sprayer at 4-6 wet mils and in a uniform manner. When applying by brush or roller, two thin coats are recommended with the second coat being applied in the opposite direction of the first. Be sure to allow sufficient drying time between coats. When applying by sprayer, one full-bodied coat will be adequate.

Once applied, allow TK-CONCRETE FORM SURFACE RETARDER to dry thoroughly (15-45 minutes), then place concrete into the form and vibrate immediately. Do not use the vibrator as a means to move concrete inside the form as this will cause the retarder coating to break away from the form. Allow to cure.

**NOTE: TK-CONCRETE FORM SURFACE RETARDER resists heat up to 140°F.**

#### FINISHING:

Strip the concrete upon an adequate curing cycle. Removal of the surface matrix from the concrete can now be easily accomplished by pressure washing, dry brush or light sandblasting. For best results, remove surface matrix approximately one hour after stripping.

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

#### CLEAN UP:

Clean tools and equipment with water before the material dries.

#### COVERAGE:

Typical coverage rate is 150-200 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:

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

### TECHNICAL DATA

Appearance:	Viscous liquid
Odor:	Odor free
Specific Gravity:	1.03
Drying Time*:	15-45 minutes
V.O.C. Content:	0 g/L
A.I.M. Category:	Concrete Surface Retarders Maximum VOC 780 g/l

\* Drying times are dependent on temperature and humidity rates.

**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-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 1-gallon cans.

FOR PROFESSIONAL USE ONLY

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