



# TK-CONCRETE SURFACE RETARDER

## For Horizontal Exposed Aggregate

Item No. TK-6000

### PRODUCT DESCRIPTION

TK-CONCRETE SURFACE RETARDER is a concrete surface retarder for application to freshly placed horizontal 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 surface mortar leaves behind the natural aggregate, sands and stones in the concrete to reveal a decorative aggregate finish.
- The surface is naturally durable with resistance to traffic, weather and skidding.
- Dries quickly and provides up to 1/4" depth retardation.
- Reduces costs by eliminating surface preparation necessary for subsequent coatings or methods.
- Safe for use and easy to apply.
- Non-toxic and biodegradable.

#### USES:

Suitable for use on horizontal concrete surfaces such as: precast panels, architectural slabs, sidewalks, curbs, ramps, patios, pool aprons, or wherever a rough-textured, non-slip decorative surface is desired. May also be used to roughen concrete surfaces for improved bonding of subsequent coatings.

### APPLICATION PROCEDURES:

#### PREPARATION:

Use a darby during the placement of concrete as this will ensure perfect surface flatness. If necessary, seed the surface with uniformly sized pea gravel or a desired aggregate and gently tamp down with a float being careful not to force aggregate below the surface. TK Products recommends the use of TK-BRIGHT KURE & SEAL as the curing compound, as well as a second coat once the concrete has cured. Doing so will bring out a glossy "wet look" in the surface that will enhance the natural pigments of the exposed aggregate finish.

#### MIXING:

TK-CONCRETE SURFACE RETARDER should be stirred prior to use. Do not dilute.

#### APPLICATION:

Before proceeding with application, a test sample should be conducted in order to determine which of the following two application methods should be used (determination will be made based on the particular circumstances of the project):

Application Method 1 - While some surface moisture is still present, spray TK-CONCRETE SURFACE RETARDER at a rate of 150 square feet per gallon. Spray evenly and uniformly to achieve a consistent finish. Allow the product to set until the surface may be washed clean without rinsing away any of

### TECHNICAL DATA

Color:	Clear
V.O.C. Content:	< 780 g/L
A.I.M. Category:	Concrete Surface Retarders Maximum VOC 780 g/l

the aggregate or creating surface imperfections (usually within 3-4 hours at 70°F). Immediately scrub any remaining cement residue using a soft bristle brush and rinse with water.

Application Method 2 - While some surface moisture is still present, spray TK-CONCRETE SURFACE RETARDER at a rate of 150 square feet per gallon. Spray evenly and uniformly to achieve a consistent finish. Cover the surface with polyethylene plastic and allow to sit overnight. The surface should be washed immediately the following morning. Immediately scrub any remaining cement residue using a soft bristle brush and rinse with water.

#### CLEAN UP:

Clean tools and equipment with water before the material dries.

#### COVERAGE:

Typical coverage rate is 150 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:

- It is essential that TK-CONCRETE SURFACE RETARDER be applied uniformly in order to obtain uniform results.
- Concrete admixtures which will affect the setting time should not be used without applying a sample section and checking for compatibility first.
- Concrete slabs should not be mechanically troweled.
- Do not use mechanical equipment to tamp the seeded aggregate as this will force it deep into the concrete.

#### 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 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

02/18 Last Rev. 03/15

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