

# TK-6000 Concrete Surface Retarder

## AS USED TO CREATE HORIZONTAL AGGREGATE SURFACES

Meets Federal EPA, OTC, LADCO & VOC Requirements



Division of Sierra Corporation  
ISO 9001:2008 Certified

## Technical Data

### 1. PRODUCT NAME:

TK-6000 CONCRETE SURFACE  
RETARDER

### 2. MANUFACTURER

TK PRODUCTS  
DIVISION OF SIERRA CORPORATION  
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Minnetonka, MN 55343  
952-938-7223  
952-938-8084 (FAX)  
E-mail: [tksales@tkproduct.com](mailto:tksales@tkproduct.com)  
Website: <http://www.tkproduct.com>

### 3. PRODUCT DESCRIPTION:

TK-6000 Concrete Surface Retarder is applied to the horizontal surface of freshly placed concrete. TK-6000 Concrete Surface Retarder chemically kills the setting of the concrete surface, which allows for the surface mortar to be removed after the concrete underneath the surface has set up, which gives an Exposed Aggregate Surface, allowing the pea stone or specified aggregate to enhance the aesthetic value of the surface.

TK PRODUCTS recommends using TK Bright Kure and Seal as the curing compound, then after the concrete has cured to apply a second coat of Bright Kure and Seal to bring out the wet look or the colors in the exposed aggregate.

### USES:

TK-6000 Concrete Surface Retarder is used to create exposed aggregate for precast panels, architectural slabs, sidewalks, curbs, ramps, patios, pool aprons, or wherever decorative, rough textured, non-slip surfaces are required. It can be used to roughen concrete for improved bonding of subsequent coatings.

### ADVANTAGES:

- Safe to use.
- Easy to apply.
- Works quickly.
- Provides up to 1/4" depth retardation.
- Reduces cost of preparing surfaces for subsequent coatings.
- Eliminates need for bush hammering or sandblasting.

### 4. TECHNICAL DATA:

#### PROPERTIES:

- Clear Solution (or Colored Transparent).
- Non-Toxic.
- Completely Biodegradable.
- 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, allowing 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.

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

During placement of the concrete use a darby to insure perfect flatness of the surface. If necessary seed the surface with uniformly sized pea gravel (or desire aggregate). Gently tamp down with a float, being careful not to force aggregate below surface. Stir TK-6000 Concrete Surface Retarder before using. In order to obtain uniform final results, it is essential that the retarded be applied evenly.

**Option 1:** While some surface moisture still remains, spray TK-6000

retarder at a rate of 150 square feet per gallon, uniformly and evenly, to obtain a uniform final appearance. Leave set until surface can be washed clean without removing aggregate or creating surface imperfections. Time will vary with temperature and humidity. (Usually 3-4 hours at 70 degrees F.)

**Option 2:** While some surface moisture still remains, spray TK-6000 Concrete Surface Retarder at a rate of 150 square feet per gallon, uniformly and evenly to obtain a uniform final appearance. Cover with polyethylene plastic. Leave overnight, wash surface immediately in the a.m. Test sample should be done to insure proper method.

If a small amount of cement residue remains on the exposed aggregate surface, immediately scrub off with a soft bristle scrub brush and rinse with water.

### PRECAUTIONS:

1. Concrete admixtures which affect the setting time should not be used without putting down a sample section and checking how well they will work together.
2. Do not dilute TK-6000 Concrete Surface Retarder. Mix before using.
3. Slab should not be mechanically troweled.
4. Do not use mechanical equipment to set the seeded aggregate in for it will force the aggregate deep into the concrete.

### CLEAN UP:

Rinse tools with water before material dries.

### FIRST AID:

*Ingestion:* Do not induce vomiting, call a physician immediately. *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, 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-6000 Concrete 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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