

TK-6000 CONCRETE SURFACE RETARDER

AS USED TO CREATE HORIZONTAL AGGREGATE SURFACES

Meets Federal EPA's VOC Requirements



PRODUCTS

Division of Sierra Corporation

Technical Data

TK-6000 CONCRETE SURFACE RETARDER
Concrete Surface Retarder

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1. PRODUCT NAME:
TK-6000 CONCRETE
SURFACE RETARDER

2. MANUFACTURER
TK PRODUCTS, DIVISION
OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION:
TK-6000 Concrete Surface Retarder is applied to the horizontal surface of freshly placed concrete. TK-6000 Concrete Surface Retarder chemically delays 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-6000 Concrete Surface Retarder is a chemical formulation which retards, but does not "kill" the set of the mortar at the surface of the concrete. It contains organic agents that react with the surface cement mortar to slow its curing time and allow for its removal later. This material does not "kill" the set if it is left on the concrete or if over spray lands onto surrounding fresh concrete, it will permit the concrete to eventually attain a set and achieve full strength.

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 is 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 aggregate down with a float, being careful not to force aggregate below surface. While some surface moisture still remains, spray retarder at the rate of 150 square feet per gallon. Stir

TK-6000 Concrete Surface Retarder before using. In order to obtain uniform final results, it is essential that the retarder be applied evenly. Immediately after application of retarder, cover surface with plastic film. After 16 hours (at cold temperatures more time may be required) remove plastic film and spray with a low pressure water spray to remove the unreacted concrete. If a small amount of cement residue remains on the exposed aggregate surface, immediately scrub off with a soft bristle scrub brush.

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.

First Aid:

Ingestion: Do not induce vomiting; Call 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.

6. AVAILABILITY:

TK-6000 Concrete Surface Retarder is available in 1, 5, and 55 gallon containers. Contact TK/SIERRA Office for the nearest distributor.

7. LIMITED WARRANTY

TK Products, a division of The Sierra Corporation, warrants that its products conform to their label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods



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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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