



Division of Sierra Corporation
ISO 9001:2008 Certified

TK-1835 SILHARD

SODIUM SILICATE CONCRETE COMPOUND

Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME:

TK-1835 SILHARD SODIUM SILICATE CONCRETE COMPOUND

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
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Minnetonka, MN 55343
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3. PRODUCT DESCRIPTION

TK-1835 SILHARD is a sodium silicate concrete curing, hardening and sealing agent which works through an inner reaction with the free lime and calcium carbonate, present in concrete, to form a hard mineral coating within the upper surface pores. Moisture within the fresh concrete is trapped and retained in the slab aiding in the curing process and guaranteeing a hard, dustproof surface.

On existing concrete, the inner chemical reaction forms a hard-wearing, tight surface.

USES:

TK-1835 SILHARD is used on interior and exterior concrete work, both vertical and horizontal. The material is odor-free and is specified for and used in enclosed, inhabited areas where solvent odors can be hazardous, or lingering odors cannot be tolerated; i.e., public buildings, housing, food processing and storage plants, or in any unventilated areas. TK-1835 SILHARD is clear, non-staining, does not discolor. It is specified for use on architectural concrete and for light to moderately heavy-duty concrete surfaces.

INSTALLATIONS:

Manufacturing and warehousing, food processing and storage plants, private and public housing, shopping centers, business centers, medical centers.

4. TECHNICAL DATA

COMPOSITION AND MATERIALS:

Sodium silicate crystals in a water dispersion.

SPECIFICATIONS:

Formulated to meet ASTM Standards. Dry Time; One to three hours, depending upon temperature, wind velocity and humidity. Compatible with most tile and floor covering adhesives.

- VOC Compliant
- USDA Compliant
- A.I.M. Category: Concrete Sealers
- A.I.M. Definition: A coating formulated and recommended for application to a substrate for one or more of the following purposes: to prevent subsequent coatings from being absorbed by the substrate; to prevent harm to subsequent coatings by materials in the substrate; to block stains, odors, or efflorescence; to seal fire, smoke, or water damage; or to condition chalky surfaces.
- VOC content limit: 400 grams per liter

5. APPLICATION PROCEDURES AND INSTRUCTIONS

SURFACE PREPARATION:

Freshly Placed Concrete:

Broom or trowel finish, allow surface water to dissipate and dry until surface will support weight of the crewmen.

Existing Concrete:

Remove all foreign matter (oil, grease, dirt, and dust), repair damaged areas.

METHOD:

Compound is ready to use; apply with power or hand sprayer, long-nap applicator, paint roller, soft bristled broom or squeegee. Saturate to point of full porosity without leaving puddles. Brush out drips or runs. Treat uncovered surfaces when form stripping is removed.

COVERAGE:

SURFACE	SQ.FT./GAL
Rough/Broom /Porous Surfaces	200-300
Steel Troweled /Dense Surfaces:	300

LIMITATIONS

Apply in temperatures above 32° F. Protect product from freezing. If freezing occurs, allow to thaw; stir or agitate before using; do not use if settling continues. In interior, unvented areas with high humidity, over saturation may occur causing the material to remain wet. To prevent this, apply at 600 sq. ft./gal.

PRECAUTIONS

Protect metal, glass, wood, paint, and brick surfaces. Wash with clear water if contact or overlapping occurs. Avoid over-application on single coats.

MAINTENANCE

Use normal dust mopping or sweeping between occasional detergent and water cleaning. Recoats easily.

FIRST AID

Ingestion: Induce vomiting, drink large amounts of water, milk or fruit juice. CALL PHYSICIAN IMMEDIATELY. *Skin or Eye Contact:* Flush immediately with clear water for 15 minutes. CALL PHYSICIAN. Remove wet garments at once.

6. AVAILABILITY:

TK-1835 SILHARD is available through TK Distributors. It is packaged in 55, and 5 gallon containers.

7. CONDITIONS OF SALE/ LIMITED WARRANTY

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

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Concrete Chemical Floor Hardener

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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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