



TK-SILHARD 1835

Concrete Floor Hardener

Item No. TK-1835

PRODUCT DESCRIPTION

TK-SILHARD 1835 is a sodium silicate curing, hardening and sealing agent for concrete surfaces. By its reaction with the free lime and calcium carbonate in concrete, TK-1835 forms a hard mineral coating that fills the pores of the surface to maximize its density and strength.

Features:

- Increases the strength of the surface by filling the pores - decreasing porosity while increasing density.
- Retains moisture in new concrete, aiding in the curing process and guaranteeing a hard, dustproof finish.
- Will not impede the penetration or adhesion of subsequent coatings.
- Odorless and contains zero VOC's (volatile organic compounds).
- Dries clear and will not stain or yellow.
- Compatible with most floor and carpeting adhesives.

USES:

Suitable for interior or exterior use on horizontal or vertical concrete floors and surfaces in industrial, warehousing, manufacturing and food service environments. Its odorless formulation makes it ideal for enclosed, inhabited areas where solvent-containing systems may be hazardous to use. TK-SILHARD 1835 is specified for concrete applications where the penetration or adhesion of subsequent coatings could be impeded by the presence of a surface hardener.

APPLICATION PROCEDURES

PREPARATION:

Fresh Concrete - Broom or trowel finish and allow surface water to dissipate until the surface is dry and will support weight.

Existing Concrete - Remove all oil, grease, dirt, dust and any foreign matter from the surface and repair damaged areas.

APPLICATION:

TK-SILHARD 1835 is supplied ready to use and requires no mixing. Apply with a power or hand sprayer, long-nap applicator, paint roller, soft bristled broom or squeegee. Satisfy the porosity of the surface by fully saturating with product while brushing out any drips, runs or puddles. Treat uncovered surfaces when form stripping is removed.

COVERAGE:

Surface	Coverage
Rough, broomed or porous surfaces	200-300 sq.ft./gal
Steel troweled or dense surfaces	300 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

TECHNICAL DATA

Composition and Materials:	Sodium silicate crystals in a water dispersion.
V.O.C. Content:	0 g/L
A.I.M. Category:	Concrete Sealers Maximum VOC 400 g/l
Applicable Standards:	- USDA authorization for use in meat and poultry processing plants.

LIMITATIONS:

- Apply in temperatures above 32°F.
- Product may freeze but must be allowed to thaw completely before use.
- Protect surrounding metal, glass, wood, paint and brick surfaces and wash with clear water if overlapping or contact with these surfaces occurs.
- When applying to interior surfaces in un-vented, high humidity areas, over-saturation may cause the material to remain wet. Apply the product at 600 square feet/gallon to prevent this.
- Avoid over-application.

PROTECTION OF VEGETATION, GLASS AND ALUMINUM SURFACES:

Avoid contact with live vegetation, glass and aluminum. If properly protecting these surfaces is impractical, the following steps should be performed:

- 1) Minimize contact of TK-SILHARD 1835 with live vegetation, glass and aluminum surfaces.
- 2) If TK-SILHARD 1835 comes into contact with glass or aluminum, thoroughly clean surfaces with Windex® or an ammonia cleaner while the material is still wet.

MAINTENANCE:

Minimal maintenance is required other than dust mopping or sweeping between occasional detergent and water cleansings. Recoat as necessary.

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-SILHARD 1835 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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TK Products Construction Coatings

11400 West 47th Street Minnetonka, MN 55343
800-441-2129 toll free | 952-938-8084 fax | www.tkproducts.com