



ISO 9001 CERTIFIED

TK-LS HARD N GUARD

Lithium Silicate Floor Hardener and Protective Treatment

Item No. TK-LS HARD N GUARD

PRODUCT DESCRIPTION

TK-LS HARD N GUARD is a high performance, high-gloss hardener and protective surface treatment for concrete floors and surfaces. TK-LS HARD N GUARD makes use of lithium silicate nanotechnology to increase hardness, density and durability on new and existing concrete.

Features:

- Increases the strength of the surface by filling the pores - decreasing porosity while increasing density.
- Treated surfaces have higher resistance against water, chemicals and abrasion and require less maintenance and up-keep.
- Produces an attractive showroom-quality gloss over ground and polished concrete floors.
- Easy application; no scrubbing, flushing or waxing required.
- Aids in color retention making it ideal for integral colored concrete and stained floors.
- Short downtime; floor may be used approximately 1 hour after application.
- Low odor and contains zero VOC's (volatile organic compounds).

USES:

Suitable for interior use on 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.

APPLICATION PROCEDURES

PREPARATION:

The surface must be clean and free of dirt, oil, curing compounds or foreign materials. Patch all cracks and remove any laitance. Any cleaners must be thoroughly rinsed off and the surface allowed to dry.

New Concrete Preparation - As with all concrete floor treatments, new concrete should be allowed to cure 28-30 days prior to application. In instances where earlier application is required, consult with your TK Products representative. Curing may be accomplished via the water curing method, or by using TK-DC WB DISSIPATING CURING COMPOUND 2519* at the recommended rate.

Always perform a mock-up or test panel prior to application to check for surface qualification and desired appearance.

APPLICATION:

TK-LS HARD N GUARD may be applied by sprayer, roller, brush or synthetic lint-free mop.

TECHNICAL DATA

Composition and Materials:	A lithium silicate blend
Color:	Clear
Flash Point:	N/A - aqueous system
Viscosity at 77°F:	15-21 seconds Zahn #2
% Solids by Weight:	24 +/- 1%
VOC Content:	0 g/l
A.I.M. Category:	Sealers Maximum VOC 400 g/l

Ground and Polished Concrete Application (for best results and highest coverage rate) -

- 1) Wet a clean microfiber pad with TK-LS HARD N GUARD and wring out leaving a damp pad.
- 2) Using a pump-up sprayer with a 1/2-gallon per minute spray tip, apply a light, fine spray from control joint to control joint (if possible).
- 3) Using the damp microfiber pad from Step #1 (above), apply downward pressure and immediately begin spreading the TK-LS HARD N GUARD to produce a thin, even coating. Continue to spread the material, doing so as to cover as much areas as possible while maintaining a wet edge.
- 4) The product will dry quickly in approximately 20-30 minutes, dependent on temperature.
- 5) Burnish with a high speed burnisher once the product dries. Additional coats of TK-LS HARD N GUARD may be needed for desired look and surface protection.

COVERAGE:

Apply at a rate of 1500-3000 square feet per gallon. If a second coat is required, this rate will increase.

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

CLEAN UP:

Clean tools and spills with soap and water before the material dries.

MAINTENANCE:

Use normal dust mopping or sweeping between occasional washings with a low pH cleaner.

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-LS HARD N GUARD is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 5-gallon pails and 1-gallon cans.

FOR PROFESSIONAL USE ONLY

NOTES:

*TK-DC WB DISSIPATING CURING COMPOUND 2519 must be purchased separately

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**TK Products Construction Coatings**

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