



**TK-LS HARD**  
**Lithium Silicate**

Item No. TK-LS HARD

**PRODUCT DESCRIPTION**

TK-LS HARD is a premium, penetrating, lithium silicate hardener/densifier that reacts with the free lime in concrete to produce calcium silicate hydrate for the ultimate in surface density and strength. TK-LS HARD N GUARD makes use of lithium silicate nanotechnology to increase hardness, density and durability on new and existing concrete.

**Features:**

- Offers increased strength for floors that are old, deteriorating or weak, or which are subjected to heavy traffic and abrasion.
- Treated surfaces have higher resistance against water, chemicals and abrasion and require less maintenance and up-keep.
- Will not chip, peel or flake off the surface.
- Odorless 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 allowed to dry. Acid stained surfaces must be thoroughly neutralized, rinsed and dried before application. This material is supplied ready to use and should not be diluted.

*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 may be applied by sprayer, roller, brush or squeegee. Apply in a uniform manner and at a rate to thoroughly saturate the surface without an accumulation of excess product.

**COVERAGE:**

Typical coverage rates are 250-800 square feet per gallon depending upon the porosity and condition of substrate.

*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:	A lithium silicate blend
Color:	Clear
Flash Point:	N/A - aqueous system
Viscosity at 77°F:	16-18 seconds Zahn #2
% Solids by Weight:	14-15
Dry Time at 70°F	
Tack Free	30-60 minutes
Recoat	2-4 hours
Full Cure	24 hours
VOC Content:	0 g/l
A.I.M. Category:	Sealers Maximum VOC 400 g/l

**CLEAN UP:**

Clean tools and spills with copious amounts of water.

**LIMITATIONS:**

- Avoid contact with glass, aluminum and polished surfaces.

**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 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

**NOTES:**

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

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