



TK-LS HARD

Lithium Silicate Floor Hardener

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

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

including surface texture, porosity and weather conditions will determine actual coverage rates.

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

06/17 Last Rev. 04/15

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 goods are used. Inasmuch as the use of TK Products' product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. SHOULD ANY TK PRODUCTS' PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF TK PRODUCTS' PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing.

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also CONDITIONS OF SALE/ LIMITED WARRANTY (Section 7) above.



TK Products Construction Coatings

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