

# SPEC-O-LITH

Liquid Fluosilicate Hardener Concentrate



## DESCRIPTION

SPEC-O-LITH is a water based solution of fluosilicates, formulated to harden and dustproof concrete floors and improve the wearing characteristics of new or aged concrete and terrazzo. Provides a chemically hardened surface with increased resistance to water, chemicals (acids, alkalis, etc.), grease and oil absorption. SPEC-O-LITH is especially effective in strengthening weak, soft or dusting concrete surfaces.

SPEC-O-LITH is ideal for factories, warehouses, schools, hospitals, breweries, aeries, food processing plants, and service garages.

SPEC-O-LITH is compatible with most conventional carpet and tile adhesives.

## FEATURES/BENEFITS

- Produces a concrete floor many times more abrasion resistant than untreated concrete
- Dustproofs/Hardens
- Resists water, chemical and oil absorption
- Excellent pre-treatment for floor sealers
- Five Year Dustproofing Warranty

## SPECIFICATIONS/COMPLIANCES

Complies with the specifications for liquid chemical hardeners by the U.S. Army Corps of Engineers, Navy, Post Office and Veteran's Administration for use on Class 1, 2, 3, 4, & 5 concrete floors as listed in Table 1.1, ACI Standard 302.1.

V.O.C. Compliant.

## APPLICATION

Surface must be clean, dry and free of all oil, grease, coating or residues that prevent absorption of chemical into surface. On new concrete surfaces, wait a minimum of 14 days (28 days, if possible) before applying. Product must be diluted with clean water prior to use. Use a plastic container or original container for this as product is corrosive. See coverage/dilution chart. Apply only when temperatures are above 40°F. Apply by spray (low pressure), squeegee or push broom. Two applications are generally necessary, each after the other has dried. AVOID puddles to prevent area whiteness. To help avoid surface whiteness on terrazzo floors, or other extremely dense concrete floors, rinse with warm water before SPEC-O-LITH dries completely. If whiteness occurs, it is an indication that either the diluted solution is too strong or the floor has reached its maximum absorption of the chemical. Recheck dilution ratios or add additional water to solution until whiteness no longer occurs. Remove whiteness by immediately scrubbing with water and a stiff bristle broom.

Texture and absorption of surfaces dictates final coverage rates. Warm water washing speeds removal.

For Concrete: Allow each application to dry before applying the next application. Texture and absorption of surfaces dictates final coverage rates.

Drying Time: 4 to 8 hours depending on temperature & humidity. Immediately clean tools with warm water.

## COVERAGE

Surface	Dilution FT <sup>2</sup> Gallon	Applications	Coat	Ratio (water to product)
Average Finish	100 (2.4 m <sup>2</sup> /liter)	2	1 <sup>st</sup> 2 <sup>nd</sup>	2-1 1-1
Dense Finish	200-300 (4.9 – 7.4m <sup>2</sup> /liter)	2	1 <sup>st</sup> 2 <sup>nd</sup>	3-1 2-1

**Extremely Dense/Hard Trowelled Floors may only require one application @ 300 sq-ft per (2 to 1) diluted gallon before maximum hardness is achieved.**

## LIMITATIONS/PRECAUTIONS

This product should not be used at temperatures below 40°F (4°C). Do not apply this product over curing compounds or sealers. For colored concrete, contact Spec-Chem before application. A test installation is recommended.

**Corrosive Chemical.** Mix in original or plastic bucket. Wear protective clothing, gloves, and goggles. Avoid contact with eyes and skin. Do not allow chemical to splash on fabric, metal, glass or decorative surfaces, as staining will result. Wash immediately with clean water. Dry with a clean damp cloth. Do not store near foodstuffs. Avoid inhalation of vapor and mist. Do not take internally. Read MSDS before using product.

### WARNING:

- Use with adequate ventilation
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately.
- DO NOT induce vomiting

**DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!**



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## PACKAGING

5 gal plastic pails  
55 gal plastic drums

## SHELF LIFE

Do not allow stored product to freeze. When stored in the original, tightly closed container, preventing the accumulation of water, dirt or other contaminants, the shelf life is one year from the date of manufacture.

## WARRANTY

### NOTICE-READ CAREFULLY

### CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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