

# CureHard309

Lithium Cure/Hardener/Densifier/



1426 East 820 North, Orem, UT 84097  
TEL: 801.224.3800 / FAX: 801.701.7002  
SALES / TECH SUPPORT: 800.305.9144  
[www.sealsource.com](http://www.sealsource.com)

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

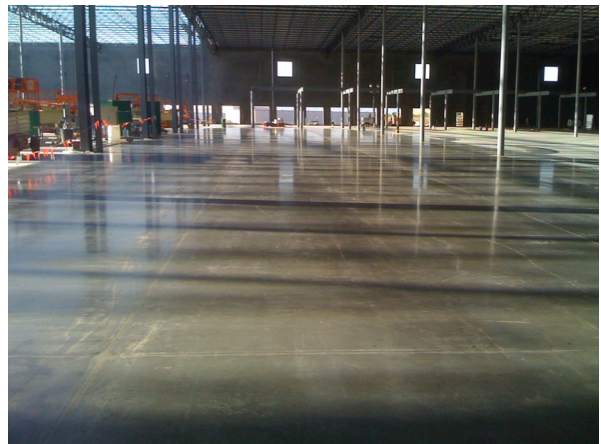
**CureHard 309** is a clear, water-based, membrane forming, hardener, densifier, curing compound that meets the criteria for the ASTM C-309, for curing compound moisture retention requirements. **CureHard 309** is an environmentally friendly compound that contains no solvents and has a VOC content that is compliant in all areas of the United States. A single component material that creates a stronger, more abrasion resistant surface compared to densification 28 days after pour. **CureHard 309** will stand up to commercial and industrial floors that are looking for long-term protection against moisture, dirt, abuse, and heavy wear.

### USES

**CureHard 309's** unique single component lithium formulation is applied to newly poured slabs immediately after the finishing process. **CureHard 309** will form a film on the surface of the slab helping retain the moisture that can evaporate from the concrete, at the same time allowing the lithium silicate formulation to penetrate and react with the free lime to enhance both the curing and hardening characteristics. The unique chemistry also allows the material to break down within 14-28 days with out the help of sunlight, also eliminating the need for expensive and hard to remove materials.

### ADVANTAGES

- Unique Technology – Cure, Hardens and Densifies in a single application immediately after finish
- Ease of Application – Easy 1 step application, and material is a single component and ready to use
- Self Dissipating – Will breakdown in 14-28 days without the need of sunlight also reducing the coats associated with curing compound removal
- Enhanced Performance – Minimizes shrinkage, dusting and cracking while also improving resistance to chemicals, oil, salts and abrasion during construction



## KEY BENEFITS

- Meets actual ASTM C 309 moisture retention
- Cost effective one step curing and hardening
- Easy auto-scrub final clean-up
- Contributes to LEED EQ credit 4.2

## PHYSICAL PROPERTIES

Total solids:	30%
Specific Gravity:	1.11
pH Level:	11.0
Flash Point:	N/A
VOC Content:	<92 g/L*
Freeze Point:	32° F

\* - Complies with all VOC of less than 100g/L standards

## PACKAGING

- 275 Gallon Totes
- 55 Gallon Drums (drum containers filled by weight, volume is closely approximate)
- 5 Gallon Pails

## MIXING

**CureHard 309** is a single component product. Prior to use shake container or stir for one to two minutes. **CureHard 309** does not need to be diluted.

## APPLICATION METHODS/COVERAGE RATES

Before application, always do a small test sample in a less-visible area to be sure there are no variables or contaminants in the substrate that may be incompatible with this product. Drill mixing with dispersion blade is required. Do not thin or dilute. The product will separate, especially when exposed to UV, so be sure to mix occasionally as you spray. It is best to use a recirculating pump to keep product from separating. Low pressure Sprayer is recommended. Use a .1gpm tip to avoid clogging or product build-up. Application equipment must be clean and free of foreign materials prior to use. Apply immediately after all surface water has disappeared, and after saw cuts have been completed. Surface should not be marred or scuffed. Remove all dust and dirt prior to application. Apply uniformly without puddles to avoid differential curing over-application. Spray in a uniform pattern avoiding straight lines. It is recommended to use saw cuts as start/stop lines.

## DO NOT OVER APPLY OR APPLY SECOND COATS

Apply the product at a rate of 400-600 sq.ft./gal. Use a low pressure sprayer to apply a uniform layer on the surface. Do not puddle. Allow 1-2 days to completely dry before traffic. The product will begin to dissipate after 14-28 days. After 28 days use an autoscrubber and black pads to remove any remaining cure material.

## **SHELF LIFE**

**CureHard 309** may be stored for up to one year in unopened, factory-sealed container under normal storage conditions of 55° F - 95° F.

## **COMPLIANCES**

ASTM C1315, Type 1 Class A

ASTM C309, Type 1 Class A & B

AASHTO M-148, Type 1, Class A

Moisture retention: ASTM C 309: <0.52 kg/m<sup>2</sup> in 72 hours (0.55 kg/m<sup>2</sup> max)

## **SAFETY**

- Read Material Safety Data Sheet before using
- Keep out of the reach of children
- Protect from freezing
- Wear safety glasses and rubber gloves
- Do not apply to soft metals
- Do not apply to glass

## **WARRANTY**

SealSource® International, LLC will refund the price of or replace, at its sole election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, express or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects; loss of use; indirect, special or consequential damages; or for any charges or expenses of any nature incurred without its written consent.