



SINAK
SUSTAINABLE BUILDING SOLUTIONS



LITHOHARD™

DENSIFIER, HARDENER & DUSTPROOFER

LithoHard™ is a ready to use, zero VOC permanent penetrating densifier that hardens and dustproofs new and existing concrete. LithoHard™ is designed for use on interior hard steel troweled finished concrete. Concrete treated with LithoHard™ will remain hardened and dustproof for more than 20 years. LithoHard™ provides increased slip resistance and can be used on colored concrete. The environmentally friendly formula eliminates scrubbing, rinsing, and costly disposal of caustic wastewater.



FEATURES AND BENEFITS

- 20-YEAR DUSTPROOF WARRANTY
- NO SCRUBBING REQUIRED FOR INSTALLATION
- INSTALL AS SOON AS 5 DAYS AFTER CONCRETE PLACEMENT
- IMPROVES ABRASION RESISTANCE
- UL GREENGUARD GOLD CERTIFIED
- CONTRIBUTES TO LEED V4 CREDITS

LithoHard™ is a ready to use, zero VOC concrete densifier that outperforms all traditional sodium, lithium, potassium, and magnesium fluosilicate products. The chemistry of LithoHard™ does not require free calcium to react which allows for early application. LithoHard™ is a permanent penetrating densifier that hardens and dustproofs new and existing concrete.

LithoHard™ continues to shine with time and sustained use. LithoHard™ provides increased slip resistance, both wet and dry and can be used on colored concrete. SINAK Corporation warrants, that when properly installed according to manufacturers written instructions, the concrete substrate will remain hardened and dustproof for more than 20 years.

WHERE TO USE LITHOHARD™

- MEDICAL FACILITIES
- COMMERCIAL
- SCHOOLS
- WAREHOUSE/DISTRIBUTION
- STORAGE FACILITIES
- TILT UP
- DATA STORAGE
- RESTAURANTS
- GOVERNMENT
- BIG BOX

LITHOHARD™

DENSIFIER, HARDENER & DUSTPROOFER

LithoHard™ is a ready to use, zero VOC permanent, penetrating densifier that hardens and dustproofs new and existing concrete. LithoHard™ is designed for use on interior hard troweled finished concrete. Concrete treated with LithoHard will remain hardened and dustproof for more than 20 years.

FEATURES & BENEFITS

- Install 5-Days after Placement
- Improved Slip Resistance
- One Coat Application
- No Dilution Required
- Superior Abrasion Resistance

TESTING

- **ASTM C-1028**
(Static Coefficient of Friction)
 - Dry 24% Improvement over untreated sample
 - Wet 36% Improvement over untreated sample
- **ASTM C-944**
(Abrasion Resistance)
 - 52% Improvement over untreated sample
- **ASTM C-805**
(Schmidt Hammer Test)
 - 11% Improvement over untreated sample
- **ASTM D-3359**
(Adhesion)
 - Treated: No Bond Failure
 - Untreated: Coating and Substrate Failure

INSTALLATION

Installation should be continuous. Concrete shall be cured with a SINAK Curing Agent, Water-Cure Equivalent Type or seven day water cure. For optimal performance and accelerated project applications, cure with LithiumCure 2000™ and apply LithoHard™ after 5 days. On existing concrete a mock-up is recommended to test for contaminants and film forming membranes.

1. Protect objects and areas not to be treated from spillage or overspray.
2. Apply LithoHard™ in one (1) coat, uniformly wetting the surface with an airless or tank-type sprayer.
3. Drying time will vary from 10 to 30 minutes depending on temperature and environment.
NOTE: "Dry" means dry to the touch.
4. Do not allow material to puddle.
5. Clean all equipment with warm soapy water.

INTERRUPTED INSTALLATION

If the application should be interrupted by rain, mark the place of interruption and continue the application as soon as weather permits.

HOT WEATHER INSTALLATION

DO NOT apply HLO-125™ on surfaces above 100 F (38 C).

COLD WEATHER INSTALLATION

In cold weather, but not lower than 34 F (1 C) and rising, the application and drying time will be extended. DO NOT apply below 34 F (1 C). If the temperature is expected to drop below 32 F (0 C), cover treated areas with thermal blankets. Contact SINAK Corporation for additional information.

PRECAUTIONS

Do not allow LithoHard™ to come into contact with any glass, metal, or painted surfaces. LithoHard™ left to dry on the surface may result in streaking, whiting, or staining. Immediately wipe affected surfaces with a clean water-saturated cloth, then wipe dry with a second clean cloth. For questions regarding LithoHard™ Contact SINAK Corporation.

COVERAGE RATES (SUBJECT TO SURFACE FINISH)

One-coat coverage rate in conjunction with SINAK LithiumCure 2000™ is 700-800 sq ft per gallon (17-20 sq m per liter).
One-coat coverage rate for use with a seven day water cure is 400-450 sq ft per gallon (10-11 sq m per liter).

STORAGE & HANDLING

LithoHard™ has an indefinite shelf life when stored in a cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination. LithoHard™ must be protected from freezing. Product that has frozen will not function as intended and should be discarded.

AVAILABILITY

LithoHard™ is available in 5-gallon (18.9-liter) pails, 55-gallon (208.2-liter) drums and 275-gallon (1041-liter) totes from selected distributors.

TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer.