

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. The environmentally friendly formula eliminates scrubbing, rinsing, and costly disposal of caustic wastewater.

FEATURES & BENEFITS

- 20-Year Dustproof Warranty
- Improves Abrasion Resistance
- No Scrubbing Required for Installation
- UL® GREENGUARD GOLD Certified
- Install as Soon as 5 Days After Concrete Placement

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 LithoHard™ 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.

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.