

SINAK LithoHard

Hardener, Densifier, Dustproofer

NOTE: SINAK LithoHard can be inserted under Liquid Flooring Treatments in Division 033000 or can be incorporated as a system in conjunction with a SINAK Curing Agent. See SINAK Concrete Finishes project guide specification for a system specification.

- A. Penetrating Liquid Floor Treatment: Clear, chemically reactive, waterborne solution of inorganic lithium silicate or silicate materials and proprietary components; odorless; that penetrates, hardens, and densifies concrete surfaces. Product shall not require free calcium or other hydrates for reactivity. Product must be capable of installation within five days of concrete placement when properly cured and shall not generate any waste or byproduct for disposal.
 1. Basis-of-Design Product: Subject to compliance with requirements, provide SINAK Corporation:
 - a. **SINAK LithoHard over LithiumCure 2000:** For use on new concrete applications, when combined as a system LithoHard may be installed in as little as 5 days after concrete placement.
 - b. **SINAK LithoHard only:** For use on any water cured concrete slab or existing concrete surfaces.
 - c. **<Insert manufacturer's name>.**
 2. Performance Requirements: Minimum testing results on untreated samples.
 - a. 50 percent improvement in abrasion resistance in accordance with ASTM C944/C944M.
 - b. Improved static coefficient of friction of 22 percent dry and 35 percent wet in accordance with ASTM C1028.
 - c. Improved rebound number of 10 percent in accordance with ASTM C805/C805M.
 - d. No failure of adhesion in accordance with ASTM D3359.
 3. Product shall be UL GREENGUARD Gold certified and contain zero (0) VOC's.
 4. Products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
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