



CSI Code: 03300

No. 378

OCTOBER 2002  
(Supersedes March 2001)

## LIQUI-HARD® Concrete Densifier and Chemical Hardener

### DESCRIPTION

SEALTIGHT LIQUI-HARD Concrete Densifier and Chemical Hardener Compound is a ready-to-use, colorless liquid, consisting of active chemicals that deeply penetrate the surface of concrete. LIQUI-HARD is specifically designed to produce hardened, dust-proofed and improved chemically resistant surfaces wherever it is applied. Through a chemical reaction process, LIQUI-HARD penetrates progressively through the concrete and chemically solidifies all the component parts into a homogenous concrete mass. Besides its densifying and hardening action, LIQUI-HARD solidifies the concrete eliminating dusting, rotting and pitting.

LIQUI-HARD meets maximum VOC content limits of 400 g/L for Concrete Protective Coatings as required by the U.S. EPA Architectural Coatings Rule.

### USES

LIQUI-HARD is recommended for use wherever hardening, dustproofing and improved chemically resistant surfaces are required. Ideal applications include floors in industrial plants and warehouses, storage silos, sewage plants, chemical processing facilities, refineries and heavy pedestrian floor traffic areas such as civic centers, sports arenas, stadiums, hospitals, airports and museums. It also provides an excellent protective treatment for preventing oxidation of iron aggregate floors.

### FEATURES AND BENEFITS

- Penetrates deeply into concrete to densify and harden surfaces to prevent entry of moisture and other foreign matter
- Dustproofs and improves chemical, petroleum and abrasion resistance of treated surfaces
- Prevents oxidation of iron aggregate floors
- Protects against scratching or peeling
- Provides tough protected surface that won't after-yellow, discolor or show pedestrian or vehicular traffic wear marks
- Ready-to-use from container and easy-to-apply
- VOC-compliant...actual VOC content is less than 100 g/L

### COVERAGE

Application Rate	sq. ft./gal.
Broomed:	200-300
Troweled:	300-500
Fresh:	200-300
Old:	150-250

### PACKAGING

- 5 Gallon (18.93 Liter) Pails
- 55 Gallon (208.20 Liter) Drums

CONTINUED ON REVERSE SIDE

## Application Tools



Sprayer



Soft Bristle  
Broom



Mechanical  
Scrubber

## APPLICATION

**Surface Preparation...***New Concrete:* On newly placed concrete, LIQUI-HARD can be applied, as you would a cure, after final troweling. Clean surfaces of all curing compounds, residue, oil, sealers, waxes, contaminants and laitance before applying.

*Old Concrete:* Surfaces should be clean and structurally sound. Remove all residue, oil, sealers, waxes, contaminants and laitance. SEALTIGHT ULTRITE Degreaser may be used (Refer to Product Data Sheet Number 353). Fill and repair all holes, cracks and deteriorated areas that have been removed to sound concrete.

**Mixing...**For optimum performance, gentle mixing or agitation is recommended.

**Application Method...** (for NEW and OLD concrete surfaces)

Saturate surface with undiluted LIQUI-HARD by sprayer, squeegee or brooming. While keeping surfaces wet with LIQUI-HARD, scrub surface with a bristle broom or mechanical scrubber until material gels (approx. 45 minutes). Spray material lightly with water. Continue to work it into the surface for another 5 to 10 minutes. Flush surface with water, removing any excess material with mop or squeegee. On porous surfaces, repeat with a second application as above.

**WARNING:** Failure to thoroughly wash and remove all excess material from floor surfaces may result in unsightly white stains. Immediately wash off overspray from glass, aluminum, or highly polished surfaces with water to avoid etching of surfaces.

**Drying Time...**2 to 4 hours. LIQUI-HARD dries very quickly on new, virgin concrete. Drying times may be extended on old concrete due to surface conditions. Restrict foot traffic for at least 4 hours, 12 hours is preferable.

**Clean Up...** While still wet, equipment may be cleaned quickly and easily with soap and water. Do not allow LIQUI-HARD to dry before flushing excess from surfaces.

## PRECAUTIONS

**DO NOT DILUTE.** Do not apply if the temperature of the concrete is less than 35°F (2°C) or above 135°F (57°C) **KEEP FROM FREEZING.**

## HEALTH HAZARDS

LIQUI-HARD is non-combustible (Flash point is greater than 210°F). Direct contact will result in irritation of the skin and eyes. Inhalation of product mist may result in respiratory irritation.

Refer to Material Safety Data Sheet for complete health and safety information.

**FOR THE MOST CURRENT PRODUCT INFORMATION, VISIT OUR WEBSITE:**

[www.wrmeadows.com](http://www.wrmeadows.com)



## LIMITED WARRANTY

“W.R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order.” Read complete warranty. Copy furnished upon request.

## Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W.R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W.R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.