

PRODUCT DATA

W. R. MEADOWS®

SEALIGHT®

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LIQUI-HARD®

Concrete Densifier and Chemical Hardener

DESCRIPTION

LIQUI-HARD Concrete Densifier and Chemical Hardener Compound is a ready-to-use, colorless liquid, formulated with chemically reactive raw materials to harden and dustproof concrete. When properly applied, LIQUI-HARD will offer substantial improvement in abrasion and chemical resistance when compared to untreated concrete. Through a chemical reaction process, LIQUI-HARD penetrates progressively through the concrete and chemically solidifies it into a homogenous concrete mass. In addition to the densifying and hardening action, LIQUI-HARD also solidifies the concrete, eliminating dusting 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 chemical and abrasion 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. LIQUI-HARD can successfully be used in conjunction with shake-on hardeners.

FEATURES/BENEFITS

- Penetrates deeply into concrete to densify and harden surfaces to help prevent entry of moisture and other foreign matter.
- Dustproofs and improves chemical, petroleum and abrasion resistance of treated surfaces.
- Permanent attractive sheen with the ability to polish.
- Protects against scratching or peeling.

- Provides tough, protected surface that won't after-yellow, discolor or show pedestrian or vehicular traffic wear marks.
- Improves light reflectance by producing a smoother, flatter concrete surface.
- Ready to use from container and easy-to-apply.
- VOC-compliant ... 0 g/L.

COVERAGE/APPLICATION RATE

Type of Surface	sq. ft./gal.	sq. m/L
*Fresh (Newly placed)	300	7.36
Existing (Old)	200	4.91

*When used as a curing compound on newly placed concrete.

Note: Coverage rates may vary, depending on the finish and porosity of the concrete.

PACKAGING

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

GreenLine
ENVIRONMENTALLY RESPONSIBLE
PRODUCTS FOR CONCRETE PERFORMANCE

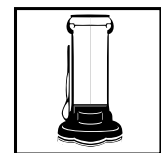
Application Tools



Sprayer



Soft Bristle
Broom



Mechanical
Scrubber

CONTINUED ON REVERSE SIDE...

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APPLICATION

Surface Preparation ... Fresh Concrete: On newly placed concrete, LIQUI-HARD can be applied, as you would a cure, after final troweling. *Existing (Old) Concrete:* Surface should be clean and structurally sound. Remove all residues, curing compounds, oils, sealers, contaminants and laitance before applying LIQUI-HARD. ULTRITE® DEGREASER from W. R. MEADOWS may be used for cleaning (Refer to data sheet no. 353). Fill and repair all holes, cracks and deteriorated areas that have been removed to sound concrete.

For optimum results on fresh, newly placed concrete, use MED-CURE Curing Compound (data sheet no. 367) from W. R. MEADOWS immediately after final finishing operations have been completed. Apply LIQUI-HARD according to the "EXISTING" concrete directions a minimum of 3 days after placement of concrete.

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

Application Method ... FRESH CONCRETE: Apply undiluted LIQUI-HARD at approximately 300 sq. ft./gal. (4.91 sq. m/L) using a low-pressure sprayer or by spreading evenly with a soft-bristled broom. Do not allow material to puddle on the surface. No further application steps are required for fresh concrete.

EXISTING (OLD) CONCRETE: Saturate the surface with undiluted LIQUI-HARD by sprayer, squeegee or broom. Keep the surface wet with LIQUI-HARD for a minimum of 30 minutes. (A range of 30-60 minutes may be required depending on temperature and conditions). NOTE: Pay particular attention to porous and/or dry areas. These areas must be kept wet at all times with LIQUI-HARD. Once the surface begins to gel and become slippery, immediately spray the surface with a light water mist. Scrub the surface with a broom or mechanical scrubber to increase the penetration of the LIQUI-HARD. Continue to work the LIQUI-HARD into the surface for another 5-10 minutes or until the LIQUI-HARD becomes gelled and slippery for a second time. At this time, THOROUGHLY flush the surface with water. During the flushing process, agitate the

surface with a broom to aid in removal of the excess LIQUI-HARD. Remove all excess material with a mop or squeegee. Thoroughly squeegee the surface dry. If there are slippery patches, this is an indication that there is still excess LIQUI-HARD present. These areas should be re-flushed and squeegeed again until the entire surface is dry. (Extremely porous surfaces may require a second application.)

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

Note: For concrete older than 28 days, please contact a W. R. MEADOWS representative at 1-800-342-5976.

Drying Time ... 2 to 4 hours. LIQUI-HARD dries very quickly on new, virgin concrete. Drying times may be extended on existing (old) concrete due to surface conditions. Restrict foot traffic for at least four 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.** If frozen, product should be thawed and agitated slightly, prior to use.

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

**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.