

LIQUI-HARD®

LIQUI-HARD® Concrete densifier and Chemical Hardener Compound is a ready-to-use, colourless liquid 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 the maximum VOC content limits of 400 g/L for concrete protective coatings as required by the U.S. EPA Architectural Coatings Rule.

The **LIQUI-HARD®** process

PROCESS

Concrete becomes hard through a process known as hydration. Hydration is the chemical reaction between water and Portland cement. Hydration in concrete produces a comparatively soft, weak material called calcium hydroxide, which is commonly known as free lime. Calcium carbonate also occurs in concrete over time as a result of carbonation. **LIQUI-HARD®** when used on a concrete surface, penetrates progressively through the concrete surface and converts the weak calcium hydroxide and calcium carbonate compounds in the concrete to form beneficial calcium silicate hydrate (CSH), thus producing a hard, dense, and sealed surface through a process of crystalline growth.



Liqui-hard Application

Common Application

Heavy Pedestrian Floor Traffic Areas
Civic, Sports Arenas, Stadiums
Airports & Aircraft Hangars
Food Processing Facilities
Hospitals
Parking Facilities
Distribution Warehouses
Railway Platforms

Industrial Application

Industrial Plants
Heavy Engineering & Maintenance Yard
Warehouses
Sewage Plants
Refineries & Dairy Plants
Automotive Facilities
Chemical Processing Facilities
Petrol Retail Outlets

SOLE DISTRIBUTORS IN INDIA



NINA[™]
CONCRETE
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AN ISO 9001 : 2000 COMPANY

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W. R. MEADOWS®

SEALIGHT

PRODUCTS
FOR
CONCRETE Performance



LIQUI-HARD®**EPOXIES**

History	Over 35 years of solid performance, places treated that are still in existence.	No solid history.
Hardening	Increases hardening of normal floor.	No hardening of the floor.
Sealing	100% sealing for long life.	100% sealing but life is short in comparison.
Curing	It cures the surface. No time required for application.	Does not cure the floor. Needs full time curing before application.
Number of Application	Single.	Two or more.
Warranty	Warranted Product.	No warranty.
Maintenance	Virtually eliminates the cost of maintenance, no costly re coating required.	Requires re coat, time to time.
Abrasion	Improves abrasion resistance by 50%.	Deteriorates with abrasion of the floor.
Prices	Very economical compared on long term performance.	Very Expensive compared on long term performance.
Breathability	By sealing the surface it does not allow moisture to pass through, Hence flaking off problems do not exist as it is an integral part of concrete.	Flakes off due to moisture coming from surface whereby creating bubbles in it.
Ageing	Improves with age.	Deteriorates with age.
Slippage	Gives a non slip surface.	Is slippery when wet.
Repair	No repairs required.	Costly to repair.
Light Reflectivity	Improves with age and opening to traffic.	Deteriorates with age.
U.V. STABILITY	U.V. stable.	U.V. unstable.

LIQUI-HARD®

Manufactured by a leader
with experience and
proven record of
quality & performance

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**10
YEARS****Warranty**

W.R. MEADOWS INC. warrants that the concrete surface which has been treated with **LIQUI-HARD®**, and after specified hardening and sealing time will stay hardened, water repellent, abrasion resistant, and dust proof for minimum of 10 years.