

W. R. MEADOWS.

SEALTIGHT®

# FLOORING SOLUTIONS

Protection for Your Floors That Lasts.



Whatever your needs...  
**we have the solution.**



**W. R. MEADOWS, INC.** provides a complete flooring system that protects your floor for the lifetime of your building. Our products, when used as a system, create an unsurpassed floor in wear resistance, surface aesthetics, and sustainability. We'll protect your building from the ground up ... think of us as your guardian of the structure.

## Curing and Sealing

Concrete that has been properly cured allows for optimum hydration. Hydration is a chemical reaction between the mix water and the cement in the concrete. The hydration reaction begins immediately once the mix water comes in contact with the cement, and continues for many years after the placing of the concrete. Proper curing produces concrete that has increased durability, abrasion resistance, impermeability, and strength development. Proper curing will decrease cracking, dusting and spalling. For proper curing and sealing on concrete floors, use the **1100-CLEAR** or **VOCOMP®** series from **W. R. MEADOWS**.

### The 1100-CLEAR Series

For simple curing, the **1100-CLEAR** series of water-based concrete curing compounds is a perfect choice. **1100-CLEAR** is formulated from hydrocarbon resins and may be used on interior and exterior concrete surfaces. Once applied, **1100-CLEAR** forms a premium-grade membrane that retains an optimum amount of water in freshly placed concrete for complete hydration of the cement. The **1100-CLEAR** series has been used on both interior and exterior applications where paint, resilient tile, or resilient flooring may be applied later.

### The VOCOMP® Series

For both curing and sealing, the **VOCOMP** series of products is ideal. This line of water-based, acrylic curing and sealing compounds is formulated using special acrylic polymers in a true water-based carrier. Once properly applied, the **VOCOMP** series provides a premium-grade seal for efficient moisture retention. The **VOCOMP** series appears milky white in color in the container and, when first applied, leaves a bluish cast on the concrete for easy visual confirmation of coverage. The **VOCOMP** series dries clear to provide a transparent sheen finish, providing a lasting, glossy appearance. The sheen can be controlled by the number of coats applied. The **VOCOMP** series resists yellowing from ultraviolet exposure and provides a durable, long-lasting finish that offers improved resistance to chemicals, petroleum, and abrasives.

The **VOCOMP** series consists of **VOCOMP-20**, **VOCOMP-25**, and **VOCOMP-30**. The VOCOMP series gives you a “good, better, best” option as it relates to sheen, gloss, and durability. The higher the number in the series, the better the performance characteristics. The **VOCOMP** products are water-based and earth-friendly, and are compliant with all VOC regulations, no matter what your location is. Both **VOCOMP-25** and **VOCOMP-30** meet the ASTM C 1315 specification, and can remain in place for other subsequent flooring treatments.

## Densifying and Hardening

To create an attractive concrete surface that will last the lifetime of your building, a proper densifier and hardener is recommended. Densifying and hardening the floor will create a more durable surface, while also providing a high sheen, lustrous appearance. Using a densifier and hardener goes one step beyond simply curing and sealing; it ensures a long lasting, sustainable, durable, abrasion-resistant floor. To create this surface, **W. R. MEADOWS** provides **LIQUI-HARD** and **LIQUI-HARD ULTRA**.

### LIQUI-HARD ULTRA

**LIQUI-HARD ULTRA** concrete densifier and chemical hardener is a ready to use, colorless liquid, which hardens and dustproofs concrete at a molecular level. After proper application, the finished surface offers substantial improvement in abrasion and chemical resistance and will significantly improve the durability of the surface when compared to untreated concrete. As **LIQUI-HARD ULTRA** is applied and penetrates into the concrete surface, a chemical reaction takes place, producing a byproduct that fills in the pores of the concrete one molecule at a time.

**LIQUI-HARD ULTRA** solidifies the concrete, eliminating dusting and pitting.

**LIQUI-HARD ULTRA** is chemically engineered to provide timely, quick, sustainable performance. The product is simply sprayed on, and then left moist on the surface for 20 minutes. In this short period of time, the colorless liquid quickly penetrates into the surface. Unlike traditional densifiers, **LIQUI-HARD ULTRA** does not require brushing into the surface or rinsing. After application, the resulting surface features enhanced protection and sheen, coupled with superior abrasion resistance. This environmentally safe, water-based product features a zero VOC content and provides an attractive option in green building applications.

**LIQUI-HARD ULTRA** is recommended for use wherever hardened, dustproofed, 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 ULTRA** can successfully be used in conjunction with shake-on hardeners.



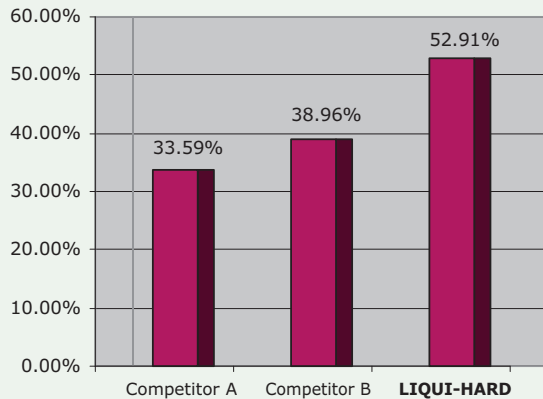


**LIQUI-HARD** is our traditional concrete densifier and hardener with both independent and in house test data to back up decades of success and excellence in a wide variety of field applications.

### Taber Abrasion Test

(In-House Testing)

**INCREASED WEAR RESISTANCE %**

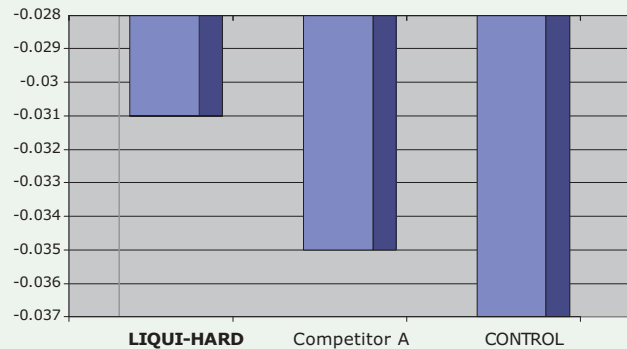


Utilizing the **Taber Abrasion Test** method, **LIQUI-HARD** showed a 52.91% increase in wear resistance as compared to a control untreated sample.

### Abrasion Resistance ASTM C 779

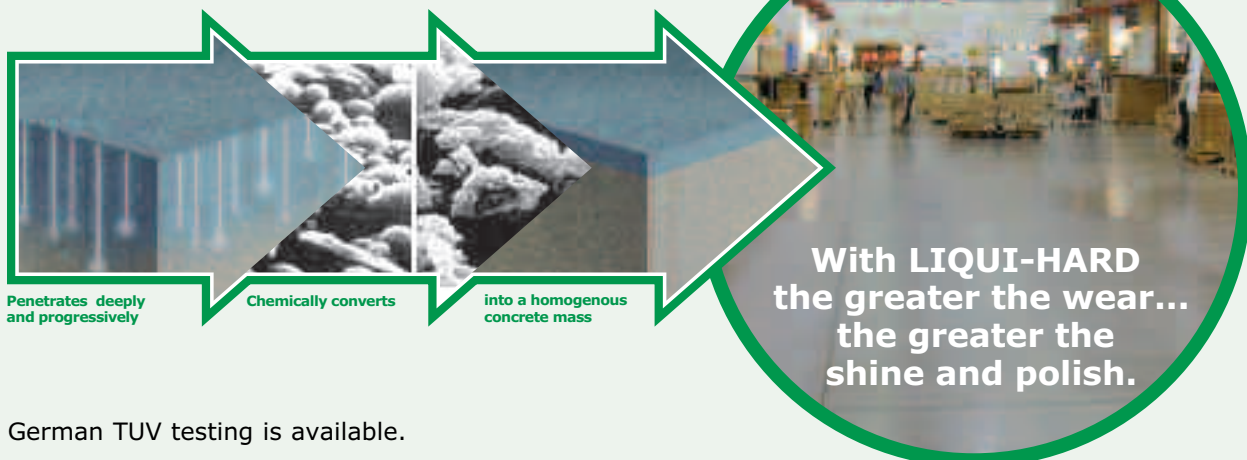
(Independent testing performed by CTL Labs.)

**DEPTH OF WEAR (INCHES @ 60 MIN.)**



Independent testing according to **ASTM C779** confirmed that **LIQUI-HARD** provides superior abrasion resistance when compared to major competitive products.

### The LIQUI-HARD Process:



German TUV testing is available.

## MED-CURE™

**MED-CURE** concrete curing aid was specially formulated to provide the contractor with a good, general purpose curing aid for flooring applications. It contains no wax, resin, or acids.

**MED-CURE** complies with the following VOC regulations:

- OTC - 350 g/L max.
- U.S. EPA - 350 g/L max.
- SCAQMD Rule 1113 - 100 g/L max.

The actual VOC content of **MED-CURE** is 0.

**MED-CURE** is an environmentally friendly option for improving the curing process and dustproofing concrete floor slabs. Application of **MED-CURE** will provide a hard, dust-free concrete surface that can later be covered with carpet or resilient, wood, or synthetic flooring.

## Notable Projects:

### **ProLogis Facility – Gyal, Hungary – 400,000 sq. ft.**

ProLogis is the world's largest owner, manager and developer of distribution facilities, with 542.3 million square feet (50.4 million square meters) of industrial space in 132 markets across North America, Asia and Europe.

### **Nestle Logistics Center – 340,000 sq. ft.**

Nestlé with headquarters in Vevey, Switzerland was founded in 1866 by Henri Nestlé and is today the world's leading nutrition, health and wellness company.

### **Mercedes-Benz Manufacturing Plant – Kecskemet, Hungary - 1.8 million sq. ft.**

Mercedes-Benz is a multinational division of the German manufacturer Daimler AG, and the brand is used for automobiles, buses, coaches, and trucks.

### **IKEA Store – 750,000 sq. ft.**

IKEA is a privately-held, international home products retailer that sells furniture, accessories, bathrooms and kitchens at retail stores around the world. The company, which pioneered flat-pack design furniture at affordable prices, is now the world's largest furniture manufacturer.

### **Havasu Air Center – Lake Havasu, AZ, USA – 80,000 sq. ft.**

Havasu Air Center attracts the most scrutinizing pilots for both corporate and personal use. The convenient Lake Havasu City location serves both local and long distance visitors wishing to refuel in style, experience the breathtaking lake, or spend time in balmy Arizona's most highly sought after resort community.



## Other Satisfied Clients:

Advanced Auto Parts	Kellogg's
Asian Paints	Kraft Canada Inc.
Bridgestone Tires	WalMart
Colgate-Palmolive Company	Coca-Cola

Our products were used in several projects by the above companies, spanning dozens of locations across the world and several million square feet.

## Concrete Enhancement



After using a densifier, the floor needs a certain amount of time to cure before it attains its maximum stain and damage resistance. This is a crucial time in the concrete floor's construction, as permanent damage could result if chemicals are allowed to contact the floor at this critical stage. At this point, a quality concrete enhancement product is recommended to provide immediate stain resistance. Also, using a concrete enhancer creates a surface that maximizes the amount of durability, stain suspension, and abrasion resistance. To fulfill this need, **W. R. MEADOWS** created **BELLATRIX**.

### **BELLATRIX**<sup>®</sup>

**BELLATRIX** is a water-based hybrid system, composed of unique polymers. It is specifically formulated to provide the dual actions of penetrating and topical protection for concrete that has been previously densified. When used in conjunction with hardened concrete floor systems, such as **LIQUI-HARD**, **BELLATRIX** produces a clear, high gloss barrier, offering optimum protection for concrete.

**BELLATRIX's** proprietary technology provides increased stain suspension and resistance against most contaminants found in kitchens, retail food stores, restaurants, malls, garages, warehouses, distribution centers, etc. **BELLATRIX** meets the very strict maximum VOC content limits of 100 g/L for sealers as required by certain California Air Pollution Control Districts as well as the 400 g/L VOC maximum required by the U.S. EPA Architectural Coatings Rule, ensuring an environmentally safe product. The actual VOC content of **BELLATRIX** is 58 g/L.

**BELLATRIX** has been specifically formulated to be used on concrete that has been previously densified and hardened. **BELLATRIX** has been tested on smooth, steel-troweled concrete treated with **LIQUI-HARD**. The application of **BELLATRIX** will provide a durable, long-lasting, high gloss, stain-blocking barrier, adding increased abrasion resistance to the concrete surface.



## Concrete Joint Filler

The floor joints of all concrete slabs are highly vulnerable to failure caused by fatigue and edge impact – the continued motion of traffic running over the joint. Protecting these joints is essential to increasing the life of your slab. If joint failure has already occurred, proper repair with one of **W. R. MEADOWS'** proven repair products is essential to ensure proper performance of the joint. Proper sealing and maintenance of the floor slab joints will alleviate expensive future repairs to the joints and concrete slab. **W. R. MEADOWS** has designed **REZI-WELD FLEX** premium-grade joint filler to accomplish this task effectively.

### REZI-WELD™ FLEX

**REZI-WELD FLEX** is a two-component, pourable-grade, premium, moisture-insensitive, gray-colored joint filler that will protect the joint from fatigue and edge deterioration which leads to expensive floor repairs. When cured, it is semi-rigid, with a Shore D Hardness of 60.

**REZI-WELD FLEX** was developed for use as joint filler for saw cuts and contraction and construction joints. **REZI-WELD FLEX** is suitable for interior concrete slabs subjected to loading, wear, and impact conditions, such as warehouse floors, garages, industrial plants, retail outlets, shopping centers, and grocery stores, or any floor subjected to forklifts or hard wheeled traffic.

**REZI-WELD FLEX** is also suitable for filling and repairing random cracks in slabs.

**REZI-WELD FLEX** will provide protection to the saw cut and contraction joints while allowing proper load transfer at the joint edges. **REZI-WELD FLEX** seals the joints against incompressibles and dirt which may lead to joint failures in the future.

## We Speak Green

All the products listed will help a design team and/or builder contribute to LEED-certified construction. These products will help contribute to various LEED credits, including Indoor Environmental Quality and Materials & Resources. For more information on LEED, including details on specific, please visit [www.wrmeadows.com](http://www.wrmeadows.com).

By using qualified "green building" products from **W. R. MEADOWS**, a project team can gain the prestige and peace of mind that goes along with utilizing quality materials, while at the same time considering the environment, worker safety and ease of application.

You can trust **W. R. MEADOWS** and our more than 80 years of experience in environmentally sound concrete products – you could say we're contractor tested and mother nature approved.

*For us, GREEN isn't new or a trend ... it's a way of life.*

# FLOORING SOLUTIONS

## Ideal applications:

- Industrial plants
- Warehouses
- Storage silos
- Sewage plants
- Chemical processing facilities
- Refineries
- Civic centers
- Sports arenas
- Stadiums
- Hospitals
- Airports
- Museums
- Food processing



W. R. MEADOWS, INC. designs, manufactures and markets high quality products and systems for today's construction professionals. Products are sold through our authorized distribution network. We have multiple branch locations throughout North America, and our products are available in overseas markets as well. Our products cover every facet of the construction industry – from protecting and sealing concrete, expansion joints, and concrete restoration, to blocking the ingress of moisture through the building envelope, we're there.



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