



EUCO DIAMOND HARD

LIQUID DENSIFIER AND SEALER FOR CONCRETE SURFACES

material description

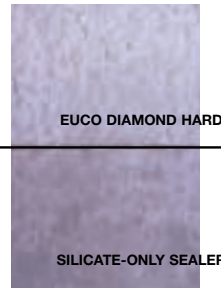
Siliconate/silicate blend for sealing and densifying concrete



DIAMOND HARD penetrates and fills the concrete pores offering better liquid repellency, hardening and chemical resistance than 100% silicate sealers..

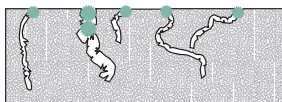
EUCO Diamond Hard is a unique blend of siliconate and silicate polymer technology that penetrates deep into concrete surfaces and chemically reacts to produce an extremely dense and durable sealed floor. The result is concrete that resists wear from abrasion, repels water and other chemicals, and reduces the appearance of tire marks and stains. EUCO Diamond Hard will enhance the appearance of smooth, steel troweled concrete and will actually become more attractive over time. With regular, easy maintenance, EUCO Diamond Hard will continue to protect and beautify concrete for many years.

EUCO Diamond Hard's siliconate reacts with atmospheric carbon dioxide, catalyzed by the alkaline materials in concrete, to form a silicone polymer that provides water and chemical repellency to the concrete.



- ◆ warehouses ◆ distribution centers ◆
- ◆ manufacturing plants ◆ commercial and retail floors ◆

CSH Gel



1. The silicate in EUCO Diamond Hard reacts to form extremely hard crystals in the pores of concrete surfaces.

Polysiloxane Resin Siliconate



2. The siliconate in EUCO Diamond Hard also reacts to create a liquid-repellent silicone seal on the concrete surface.

Polysiloxane Resin Siliconate CSH Gel



3. The combined activity of silicate and siliconate provides both a strengthened and sealed concrete surface by the action of the silicate and siliconate described in diagrams #1 and #2.

Silicate in Diamond Hard reacts with the calcium hydroxide present in concrete, producing a hard, crystalline gel called Calcium Silicate Hydrate (CSH). This gel fills the pores in the concrete surface, making it more dense and abrasion resistant.

It is the dual action of both the silicate and siliconate that makes EUCO Diamond Hard superior to any other chemical concrete densifier or sealer on the market.



EUCO DIAMOND HARD LIQUID DENSIFIER AND SEALER FOR CONCRETE SURFACES



- ◆ Strengthens and seals concrete surfaces with a unique silicate/siliconate blend
- ◆ More active ingredients than similar competitive products
- ◆ Easy to apply and maintain
- ◆ Develops an attractive sheen that is enhanced as the floor ages
- ◆ Reduces tire marking and dustproofs concrete surfaces
- ◆ Repels liquids including water, oil and many chemicals
- ◆ Excellent on new or existing floors
- ◆ Backed by a solid warranty program
- ◆ VOC compliant - contains no solvent - and USDA approved

Floor Preparation and Application of Diamond Hard is Easy!

Only a clean, sound surface is required for application of EUCO Diamond Hard. The floor should be free of any materials that could prevent EUCO Diamond Hard from penetrating.

Simply pour or spray EUCO Diamond Hard onto the concrete floor, and scrub it into the surface to ensure good penetration. After about 30 minutes soak time, any excess EUCO Diamond Hard is squeegeed onto the next area to be treated, or removed. The floor is then ready for light foot traffic in 4 to 6 hours and wheel traffic in 24 hours.

The EUCO Diamond Hard System

A concrete floor should be given every opportunity to become as strong and as durable as it can be. Proper curing of new concrete is essential! And although some other brands of silicate or siliconate products come with claims that they can be used as concrete curing compounds – the truth is no silicate or siliconate product meets any industry standard for concrete curing. The Euclid Chemical Company can provide a comprehensive system for curing, cleaning, and sealing new concrete:

- **Kurez DR VOX:** Biodegradable, user-friendly floor cleaner and stripper; use to aid in the removal of Kurez DR VOX and ready the floor for the application of EUCO Diamond Hard.



- **EUCO Clean & Strip:** Biodegradable, user-friendly floor cleaner and stripper; use to aid in the removal of Kurez DR VOX and ready the floor for the application of EUCO Diamond Hard.

EUCO Diamond Hard Care and Maintenance

Other than good housekeeping, no special maintenance procedures are required. Periodic cleaning with alkaline detergents - and quick clean-up of any spills - will make certain that a EUCO Diamond Hard floor only becomes more attractive and lustrous over time. EUCO Diamond Hard cannot be washed off, so the more it is cleaned, the better. EUCO Diamond Hard can be re-applied over itself at any time, so a revitalizing coat after years of service is definitely possible with minimal preparation work.



Euclid Chemical also offers a complete line of mineral and metallic aggregate floor hardeners for exceptionally durable and abrasion resistant floors. These floor hardeners, sealed with EUCO Diamond Hard, provide long-lasting and unbeatable performance.

Contact your Euclid Chemical Representative or call 800-321-7628 for more detailed technical specifications and engineering data.

The Euclid Chemical Company, founded in 1910, is today a worldwide supplier of quality products and services for the concrete and masonry industry. We provide complete specification assistance and laboratory support as well as on-site service for guidance and proper product usage.



The Euclid Chemical Company

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