

## HD-40 Concrete StainGuard™

### Product Description

HD40™ is a co-polymer blend of lithium densifying solution and integral high gloss sealer. HD40™ is formulated to create a chemical reaction between the nano-sized molecules of the lithium and the “free lime” that exists in all poured concrete. This reaction causes the molecular voids in the concrete to be filled by the now fully hydrated lime particles, thus creating a denser surface. HD40™ is used primarily on power-troweled and polished concrete and terrazzo. It will create a visible sheen with burnishing, post application.

### Features and Benefits

- Dustproofs and helps to eliminate efflorescence in concrete
- Penetrates deep into the slab reaching available free-lime, adding strength and abrasion resistance
- Aids in negative side waterproofing and radon mitigation
- Adds a thin-film that will “boost” polishing efforts and help block stains**
- Durable Scuff-Resistant Surface Finish
- Oil Resistant
- Fast Turnaround
- HD40™ truly is the “anti-coating”, no peeling, yellowing or hot-tire issues, ever!

### Recommended Applications

HD40™ is recommended for semi-polished, polished, smooth power-troweled and terrazzo concrete floors. Floors not meeting these criteria will see diminished benefits from this product. *THIS IS NOT A HIGH-PERFORMANCE COATING SYSTEM. IF YOU REQUIRE A HIGH PERFORMING PRODUCT, CONSIDER NOHR-S POLYUREA GARAGE KIT CLEAR or SEC SEALER.*

### Technical Data

Solids: 19%	Appearance: Cloudy
VOC Level: <50	Abrasion Resistance: Non-Scuffing
Dry time: 1-2 hours	Concrete Adhesion: excellent
Recoat time: 1 hour	Foot traffic: Immediately post burnishing
Oil Resistance: Good, 48 hours with no effect	Wheel traffic: 12 Hours from last treatment
Finish: Medium Sheen, post burnishing	Application temp: 45-90 degrees

### Coverage Rates

Polished concrete/Terrazzo: 700-800 sq ft. per gallon  
Semi-Polished concrete: 500-600 sq ft. per gallon  
Power-Troweled concrete: 400-500 sq ft per gallon

### Shelf-Life

HD40™ has a two-year shelf life in an unopened container. Protect from freezing or extreme heat.

### Packaging

One gallon, 5 gallon, 50 gallon drum and 275 gallon tote container. *Available for private labeling in 5 gallon, 50 gallon drum and 275 gallon tote container units- please consult.*

## Instructions for Use

### Application

All dirt, oil, dust, and foreign contaminants must be removed to assure a trouble free application. The substrate should show no visible moisture prior to application. Apply using a pump-up deck sprayer while wiping the wet solution using a lamb's wool applicator or micro-fiber mop head, keeping a wet edge. The objective is applying a thin, even treatment, not allowing the product to puddle. A minimum of two treatments must be applied to achieve a good result. Three or Four treatments are acceptable. Immediately following last treatment, the floor should be burnished.

### Burnishing

Using a high quality burnishing pad (Hogs Hair) specified for hard surfaces, burnish HD40™. Burnishing brings about a sheen (floor smoothness dependent), but also allows the treatment to bond and fuse with the concrete surface. This provides better product longevity and durability. The burnisher should be used in a North-South direction, then East-West, at least one pass in both directions. The objective is to heat the surface film.

Although it is not as effective a buffer could be used. For reference... a buffer will be a 150-350 RPM machine while a Burnisher is 700-3000 RPM.

### Wax Application

Post burnishing, a treatment of Cherry-Wax could be introduced to add a protective layer over HD40™. Buffing or burnishing this treatment of wax is recommended but not mandatory. Wax will further discourage scuff marks.

### Re-Application

This product can be re-burnished to wake it up if the surface is still intact. Worn areas can be spot applied. Complete re-application will follow scuffing the entire floor with a wax stripping pad or equivalent making sure that the original film has been removed.

## Clean-Up

Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

## Product Removal

The surface film could be removed using a wax-stripper pad or equivalent.

## Precautions and Limitations

Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period (excluding the application of the product). Always test cleaners prior to use. **Note that this product is permeable and water will darken the substrate temporarily. This product is only as effective as the substrate is smooth.**

### NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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