

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 gloss finish 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 sealer 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 this criteria will see diminished benefits from this product.

Technical Data

Solids: 19%

VOC Level: <50

Dry time: 1-2 hours

Recoat time: 1 hour

Oil Resistance: Good, 48 hours with no effect

Finish: Gloss, post burnishing

Appearance: Cloudy

Abrasion Resistance: Non-Scuffing

Concrete Adhesion: excellent

Foot traffic: Immediately post burnishing

Wheel traffic: 24 Hours from last treatment

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.*

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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 apply 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. Two hours (up to 48 hours) post treatment, the floor should be burnished.

Burnishing

Once dry, using a high quality burnishing pad (Hogs Hair) specified for high gloss finishes, burnish HD40™. Burnishing not only provides a smooth high gloss polished look, but also allows the treatment to bond and fuse with the concrete surface. This provides great product longevity and excellent 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.

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

*We warrant that our product is manufactured to the specifications as stated her or in other publications. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Any use or application other than recommended herein is the sole responsibility of the user. Uncured epoxy resins, polymers and their curing agents may be **ALKALINE, TOXIC or BOTH**, depending on the particular system. They may cause **ALLERGIC REACTIONS or HYPERSENSITIVITY REACTIONS. BEFORE USING any material, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.***

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