

HD-39 Concrete Densifier/Waterproofer™

Product Description

HD39™ is a premium lithium based concrete densifying solution and water-proofer. HD39™ 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. In addition to the standard benefits of a densifier this product includes an integral silicate waterproofing agent, making it especially useful in repelling water-based solutions, rainwater, and other liquids.

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
- Integral waterproofing agent for excellent water/liquid repellency
- Aids in negative side waterproofing and radon mitigation
- Useful indoors and outdoors
- Will not cause “whiting” as potassium and sodium silicate products will
- Ready for use in an hour with no rinsing required
- HD39™ truly is the “anti-coating”, no peeling, yellowing or hot-tire issues, ever!

Recommended Applications

HD39™ is recommended for all new and old exterior concrete surfaces requiring preservation and protection. Interior surfaces such as parking garages, residential/commercial garages, basements and porches will benefit from this product too.

Technical Data

Solids: 9%	Appearance: Clear/Cloudy
VOC Level: 0	Abrasion Resistance: Penetrating Product
Dry time: 1-2 hours	Concrete Adhesion
Recoat time: while wet-one treatment recommended	Foot traffic: 1 hour
Solvent Resistance: Minimal	Wheel traffic: 2 hours
Finish: None (penetrating product)	Application temp: 45-90 degrees

Coverage Rates

Burnished concrete: 350-400 sq ft. per gallon
Power-Troweled concrete: 300-400 sq ft per gallon
Hand-Troweled concrete: 250-300 sq ft. per gallon

Shelf-Life

HD39 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

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application. Under certain conditions, a precipitate may be deposited as the lithium solution dries. The substrate should show no visible moisture prior to application. Stir material before using. Apply material to the horizontal surface without thinning with a brush, mop or spraying equipment. When applying the material, always maintain a wet edge as this will reduce any chance of water spotting. When spraying, this product can damage vegetation, stain or etch glass, aluminum, metal and plastic. After the product has been in contact with the substrate to allow for penetration and reaction, excess material can be removed by mopping off the excess. Normally one coat is all that is required. It is best to make a second pass when desired while the substrate is still wet. Avoid overlapping wet to dry as this can cause water spotting because the product will not be able to penetrate a dry area that was treated as well as in an area that has been treated but not yet dried.

Clean-Up

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

Product Removal

This product cannot be removed by any stripper. It is a penetrating product.

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. Remember to apply any colorants or stains prior to using this product. It will "block" colorants from penetrating the slab. This product contains a silicate agent which may help to repel future coatings applications. If coating is desired at a later date, please consider our HD36™ or HD37™ products.

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.** COPYRIGHT 1/1/11 Legacy Industrial., A Clean Seal LLC Company or Legacy Industrial Incorporated.*