



CDH-400 Concrete Densifier & Hardener Water & Salt Protection - Dust Proof

CDH-400 is a leading concrete densifier with properties that protect from the damaging effect of water, salt, oils, staining and dust. The fast and easy application, which doesn't require rinsing, leaves a naturally finished, densified, hardened, and sealed concrete floor that is easy to maintain. Your **CDH-400** treated floor is also resistant to slip, abrasion, efflorescence, fungi, mildew, and deterioration. The surface can be polished to a brilliantly glossy, and durable finish, thereby extending the life of your concrete floors.

CDH-400 Features and Benefits

- Penetrates & chemically reacts to seal concrete
- Resistant to water, oils, stains, salt, many chemicals, & freeze-thaw damage
- Reduces damage of ASR (alkali-silica reactions)
- Increases Hardness & dust proofing
- Creates stronger, better-looking finish
- Abrasion resistant
- Environmentally safe
- Fast & easy application
- Economical: combines hardening & protection in a single permanent application

Applications

- Interior or exterior concrete & masonry
- Integrally colored concrete
- Acid stained concrete.

Facilities that benefit from CDH-400

- Marinas, Sea Walls, Bulkheads, Dams, & Bridge decks
- Pedestrian walkways
- Loading Docks
- Distribution Centers & Warehouse Floors
- Retail Stores
- Manufacturing & Food Processing Plants
- Parking Garages
- Airports
- Hospitals
- Arenas & Stadiums
- Garages. Driveways & Basements

CDH-400 uses an exclusive deep penetrating technology that spreads evenly throughout the surface matrix of the concrete ensuring the best possible performance and protection. **CDH-400** contains minimal VOC's and no carcinogens. Because it combines the best properties of a densifier with the protection of a silane in a single permanent application, it is economical as well. The permanent bond lasts longer than silicon hydrides, reduces maintenance costs, and keeps looking better over time. Other chemical hardeners contain sodium or potassium which can raise the alkalinity and contribute to ASR . Application is fast and the floor is ready to use within hours.



Environmental Conditions

- Air temperature should be 40°F to 100°F (4°C to 38°C).

Surface Preparation

1. First test concrete surface for suitability and desired results.
2. Let surface dry before inspection and approval of desired application.
3. Clean surface of all foreign materials (form release oils, curing agents, grease, dust, etc.)
4. Citrus cleaners are not recommended. If used, neutralize with a high pH detergent (Tide, Cascade etc.)
5. Remove all standing water.

Directions for Application

1. Mix well before using.
2. Apply by spray, roller or brush to new or old concrete that is dry and has been thoroughly cleaned.
3. Apply enough to keep surface wet for 20 minutes.
4. Distribute any pools of material with a broom
5. Allow to dry for 1-2 hours for traffic ready floor.
6. Remove any residue with a stiff broom.
7. Water repellency and hardness continues to develop for up to 7 days following the application, however, significant results should be visible within 24 hours.

Note: Polishing or sanding wears down the protective surface. It is not recommended for industrial applications unless it is being used as a surface enhancer or polishing agent for polished concrete.

Polished Concrete

1. Apply CDH-400 at approximately 400 square feet per gallon after 100 or 200 grit surface grind.
2. Let dry and buff with 1500 or 3000 grit for an extremely hard, durable shine with a glossy satin sheen.
3. General maintenance will increase hardness, durability and sheen over time
4. Re-apply every 1-2 years to keep floors looking like new and to minimize costly maintenance and repairs.

Smooth Concrete

1. Let CDH-400 dry overnight then polish with a high-speed propane buffer for a beautiful shine.
2. If concrete is very porous, lightly mist the surface with another application of CDH-400, spread evenly with a lamb's wool applicator or soft broom, and let dry.

Area Coverage

- Steel Troweled Concrete: 400-550 sqft/gallon
- Broom Finished Concrete: 250-350 sqft/gallon
- Exposed aggregate, stucco, porous concrete, smooth concrete (precast), smooth concrete (steel trowel finish), exterior brick, concrete block, rough stone (sandstone), smooth stone (polished granite), bridge decks and other surfaces subject to abrasion, any material with a Portland cement binder: 200-400 sqft/gallon

The above is a guideline only. More porous concrete will require more CDH-400. For accurate consumption requirements, a pre-application field test should be performed.

Maintenance

- Routine sweeping, mopping, washing and mechanical scrubbing of floors with neutral pH cleaners/water is recommended.
- DO NOT USE acidic or citrus cleaners.

Quality Guarantee

The Jmg Distributing Company LLC. (Jmg) solely and expressly warrants that its products shall be free from defects in materials and workmanship for six months from the date of purchase. Unless authorized in writing by an officer of Jmg, no other representations or statements made by Jmg or its representatives, in writing or orally, shall alter this warranty. Jmg MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Jmg product fails to conform to this warranty, Jmg will replace CDH-400 at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one year from the date of the claimed breach. Jmg does not authorize anyone on its behalf to make any written or oral statements that in any way alter Jmg installation information or instructions in its product literature or on its packaging labels. Any installation of Jmg products that fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Jmg products for the Buyer's intended purposes.



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