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# H&C® CLEAR LIQUID HARDENER & DENSIFIER

PRODUCT DESCRIPTION	CHARACTERISTICS	SURFACE PREPARATION
<p><b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b> is an amorphous colloidal silica solution designed to both harden and densify concrete. This proprietary formulation penetrates and reacts with concrete faster than conventional systems and produces a harder, more uniform surface. <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b> enhances stained or dyed concrete and is ideal for polished concrete applications. <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b> is water-based, VOC compliant, and is very easy to apply. <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b> can be used as a dust proofing agent on bare and porous concrete.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Densifies and hardens new and existing concrete</li> <li>• Penetrates and reacts with concrete quickly</li> <li>• Produces a more uniform surface</li> <li>• Resists blushing and yellowing</li> <li>• Increases life expectancy of concrete</li> <li>• Easy to apply and maintain</li> <li>• Easy to polish</li> </ul> <p><b>Recommended Uses:</b></p> <p>INTERIOR/EXTERIOR USE</p> <p><b>POLISHED CONCRETE APPLICATIONS SUCH AS:</b></p> <p>Warehouses Retail Outlets Distribution Centers Show Rooms Airports Commercial Applications</p>	<p><b>Color:</b> Clear</p> <p><b>Coverage:</b> Concrete ground to 100-200 grit typically requires an application rate of approximately 400-500 sq. ft. per gallon</p> <p><b>Finish:</b> None</p> <p><b>Vehicle Type:</b> Amorphous Silica</p> <p><b>Weight Solids:</b> 10%</p> <p><b>Solids Reactive Content:</b> 100%</p> <p><b>VOC (less exempt solvents):</b> 0 g/L</p> <p><b>Drying Time:</b> <b>Recoat:</b> 30-60 mins. (Must be dry to touch) <b>Light Pedestrian Traffic:</b> 30-60 mins. <b>Fork Lift and Vehicle Traffic:</b> 2 hours</p> <p><b>Packaging:</b> Gallons &amp; Fives</p>	<p><b>WARNING!</b> Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.</p> <p>All concrete must be porous, clean, dry and free of grease, oil &amp; any other contaminants. Remove all old coating, paints or sealers prior to application of <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b>. Once the surface is clean and all old coatings, paints or sealers have been removed, grind the concrete to an initial surface profile of 100-200 grit. This will allow for optimum penetration of <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b>.</p> <p>Freshly placed concrete should cure a minimum of 3 days before applying the <b>H&amp;C® Clear Liquid Hardener &amp; Densifier</b>.</p>



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## APPLICATION

### FOR PROFESSIONAL USE ONLY

Application instructions remain the same when using **H&C® Clear Liquid Hardener & Densifier** as a dust proofing agent.

Temperature for application should be between 50°-90°F. Do not apply if rain is expected in 8 hours before or after application.

Mix, shake or stir thoroughly before applying.

**H&C® Clear Liquid Hardener & Densifier**, should be used together with **H&C® Lithium Protective Finish** for the ideal polishing system to increase hardness and durability of the surface.

Depending on size of work area, **H&C® Clear Liquid Hardener & Densifier** can be applied with a pump up sprayer or a high volume, low-pressure sprayer (HVLP). Apply **H&C® Clear Liquid Hardener & Densifier** to the surface evenly at the rate of approximately 400-500 sq. ft. per gallon. Lightly broom out any puddles immediately after the material has been applied. Allow **H&C® Clear Liquid Hardener & Densifier** to remain on the surface for 20-30 minutes. DO NOT LET ANY AREA DRY OUT during this time. Add more **H&C® Clear Liquid Hardener & Densifier** as needed in order to maintain a uniformly wet surface. After material has penetrated and is no longer glistening on the surface, continue grinding and polishing to the intended final surface profile and desired finish. If using a wet polishing method, or on integrally colored concrete, we recommend using an auto scrubber and water to remove residual slurry between abrasive disc grits

## MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing if floors with neutral pH cleaners / water is recommended. **DO NOT USE** acidic or citrus cleaners to maintain the floor.

### PERFORMANCE DATA

#### Taber Abrasion Testing

<1% weight loss after 1500 cycles

### TECHNICAL SERVICES

1-800-TO STAIN(867-8246)  
www.hc-concrete.com

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&C concrete coatings and The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C or Sherwin-Williams representative to obtain the most recent Product Data sheet.

### CLEAN UP

Use water to clean tools and equipment. Treatment is environmentally friendly and requires no special or hazardous disposal methods.

## CAUTIONS

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**

## ORDERING INFORMATION

### Part Number/SMIS

Gallon	55.030034-16/ 650297260
Five	55.030035-20/ 650297278