



H&C® ENDURAPOLISH™ WATER-BASED CLEAR LIQUID HARDENER, DENSIFIER & DUSTPROOFER



PRODUCT DESCRIPTION

H&C® ENDURAPOLISH™ Clear Liquid Hardener, Densifier & Dustproofer 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, abrasion resistant surface that reduces dusting over time. *H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer* enhances stained or dyed concrete and is ideal for polished concrete applications.

PRODUCT DESCRIPTION

- Densifies and hardens new and existing concrete.
- Penetrates and reacts with concrete quickly.
- Produces a more uniform surface.
- Resists blushing and yellowing.
- Increases life expectancy of concrete.
- Easy to apply and maintain.
- Easy to polish - Minimizes labor costs.
- Reduces dusting of concrete overtime

RECOMMENDED USES

H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer is formulated for interior and exterior use in polished concrete applications such as warehouses, retail outlets, distribution centers, show rooms, airports and commercial applications. H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer along with H&C *ENDURAPOLISH Lithium Protective Finish* is the ideal polishing system for interior concrete surfacers.

COVERAGE RATES

400-500 sq. ft. per gallon

*Coverage is based off of concrete ground to 100- 200 grit

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

LIMITATIONS

Do not apply if rain is expected in 8 hours before or after application.

SURFACE PREPARATION

New Concrete: Freshly placed concrete should cure a minimum of 3 days before applying the H&C® ENDURAPOLISH™ Clear Liquid Hardener, Densifier & Dustproofer.

Existing Concrete: All concrete must be porous, clean, dry and free of grease, oil and other contaminants. Deep scrub the floor using an orbital cleaning machine and black pad. To spot clean, use *H&C® CONCRETEREADY® Cleaner Degreaser*, following label directions. If mold, mildew, or fungus is present, kill and remove with a solution of 1 cup household bleach to 1 gallon of water. If surface has been previously painted, remove all old, peeling, flaking paint. In addition to porosity, all concrete requires a profile consistent with the feel of 120-grit sandpaper. 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 *H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer*.

WARNING! 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.

Repair: For the best waterproofing protection on vertical and horizontal concrete and masonry surfaces, use *H&C CONCRETEREADY Quick Patch and Repair* to address spalled concrete. Please note, patching compounds may appear different than surrounding concrete.

TOOLS REQUIRED

- Sprayer (Pump up Sprayer is preferred)
- HVLP Sprayer
- Micro-Fiber Pad
- Grinding Equipment with Vacuum
- Auto Scrubber
- Bucket
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer, should be used prior to application of H&C ENDURAPOLISH Lithium Protective Finish for the ideal polishing system to increase hardness and durability of the surface.

Apply H&C ENDURAPOLISH Clear Hardener, Densifier & Dustproofer under dry conditions. Air and concrete surface temperatures should be above 50°F and below 95°F for 24 hours following application.

How to Apply: Stir thoroughly before and during application. Do not shake or whip air into sealer, and do not reduce. Apply with a pump up or HVLP sprayer 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 ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer to remain on the surface for 20-30 minutes. DO NOT LET ANY AREA DRY OUT during this time. Add more H&C ENDURAPOLISH Clear Liquid Hardener, Densifier & Dustproofer 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, it is recommended to use an auto scrubber and water to remove residual slurry between abrasive disc grits.

CLEANUP

Clean tools and any spills or spatters immediately using soap and warm water. Clean hands immediately after use with a waterless hand cleaner.

MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing if floors with neutral pH cleaners / water is recommended. Clean surfaces coated with H&C ENDURAPOLISH Lithium Protective Finish using a mixture of 3 parts water to 1 part H&C CONCRETEREADY Cleaner Degreaser. DO NOT USE Acidic or Citrus cleaners to maintain the floor.

LIMITED WARRANTY

This warranty is only valid when the product is applied and maintained according to product application and maintenance instructions to a properly prepared surface. If the product fails to perform in accordance with applicable product literature H&C shall either replace an equivalent quantity of product free of charge or refund the original purchase price. For a replacement or a refund, return the product to the place of purchase accompanied by the original proof of purchase. This warranty shall not apply to any defect, damage or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application and maintenance of the product.

LIMITED WARRANTY CONT.

IN NO EVENT SHALL H&C BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	30 minutes
	Light foot traffic	30 min - 1 hour
	Heavy traffic	2 hours
	Recoat	30 min - 1 hour
VOC	EPA Method 24	<50 g/L
Finish	ASTM D523	None
Weight Solids	ASTM D 5095	10% ± 2%
Weight per Gallon	ASTM D147	8.52 lb
Abrasion Resistance	ASTM C779	40% compared to untreated
Hardness	MOH Hardness	From 3 to 7

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	55.130034-16/ 6509-24236
5 gallons	55.130035-20/ 6509-24244
Drum	55.130037-27/ 6509-83638

TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group 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.

For technical assistance, call 1-800-867-8246 or visit www.hconcrete.com.

CAUTION

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, fl ush 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.**