



H&C® ENDURAPOLISH™ WATER-BASED HI- GLOSS LITHIUM PROTECTIVE FINISH



PRODUCT DESCRIPTION

H&C® ENDURAPOLISH™ Lithium Protective Finish is a lithium fortified high-gloss finish (when burnished) designed to penetrate and protect polished concrete surfaces by increasing the hardness, improving stain resistance, and providing superior reflectivity when burnished. H&C ENDURAPOLISH Lithium Protective Finish chemically bonds to concrete and reduces peeling, flaking or fading. H&C ENDURAPOLISH Lithium Protective Finish is water-based, VOC compliant, and is very easy to apply.

FEATURES & BENEFITS

- Protects polished concrete
- Increases concrete hardness
- Improves stain resistance
- Provides a highly reflective, streakfree surface
- Easy to apply and maintain

RECOMMENDED USES

H&C ENDURAPOLISH Lithium Protective Finish is formulated for interior use in polished concrete applications such as warehouses, retail outlets, distribution centers, show rooms, airports and commercial applications.

COVERAGE RATES

500-3000 sq. ft. per gallon
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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 allow standing water or puddles of water to be left on the surface. (Immediately wipe up any spills and/or water.) Do not clean or scrub the surface for 72 hours (no moisture contact) to prevent the possibility of "whitening" or discoloration. Do not place protective plastic sheeting, rubber matting, rugs or furniture that can prevent proper drying. Covering the surface can retard curing and result in a cloudy or whitening effect. Avoid moisture for 72 Hours. Do not allow standing water for 14 days. Maximum performance may take up to 14 days to develop, depending on temperature and humidity.

SURFACE PREPARATION

Polished Concrete: All polished concrete must be porous, clean, dry and free of grease, oil and other contaminants. To spot clean, use H&C® CONCRETEREADY® Cleaner Degreaser, following label directions.

TOOLS REQUIRED

- Micro-fiber Pad Applicator 12-24"
- Pump up or HVLP Sprayer (Pump Up sprayer is preferred)
- High Speed Buffing Machine (Minimum 1500 RPM)
- Buffing Pad (Horse Hair or White is preferred)
- Bucket
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

H&C ENDURAPOLISH Clear Liquid Hardener & Densifier, 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 Lithium Protective Finish 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 pump up sprayer, then spread with a micro-fiber pad applicator. When spreading by micro-fiber pad, apply spreading material thinly and evenly so as to completely cover the substrate. The best results are achieved when working in areas no larger than 20 x 20' sections at a time. Allow to dry for 10 -15 minutes. (burnish / buff coating within 10 - 15 minutes after dry time). Burnish / buff with high-speed machine (1500-2500 rpms) using a fine / ultrafine buffing pad. Burnishing of individual H&C ENDURAPOLISH Lithium Protective Finish coats is highly recommended to improve curing process and overall shine.

Additional Coats: If floor is not burnished, allow each application to dry at least 30- 60 minutes before reapplying next coat. Buffing between applications with a high speed-burnisher accompanied fine/ ultrafine buffing pad system is the recommended method. Repeated applications build a stain resistant microfilm over the substrate. Do not over apply. It is critical to apply very thin multiple coats. If applied too thickly it will cure improperly and discolor, whiten or leave streaks and/or applicator marks. Do not get wet, clean or scrub the surface for at least 72 hours.

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.

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
	ASTM D523	Gloss
Weight Solids	ASTM D 5095	23% ± 2%
Weight per Gallon	ASTM D147	8.78 lb
Chemical Resistance	Gasoline	1 hour slight dulling
	Transmission Fluid	1 hour no effect
	Break Fluid	1 hour no effect
	Antifreeze	1 hour no effect
	Motor Oil	4 hours no effect
	Bleach	4 hours slight dulling
	Soda Pop	4 hours slight dulling
	Urine	4 hours slight dulling

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	50.130044-16/ 6509-24251
5 gallons	50.130045-20/ 6509-24269

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. For the most recent Product Data Sheet, please see Paintdocs.com

For technical assistance, call 1-800-867-8246 or visit www.hcconcrete.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.**

LIMITED WARRANTY

Seller’s and manufacturer’s only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the applicator’s inability to use the product for his/her intended use. The user assumes all risk and liability.