



H&C® CLARISHIELD® OIL-BASED GLOSS FINISH CLEAR CONCRETE SEALER



PRODUCT DESCRIPTION

H&C® ClariShield® Oil-Based Gloss Finish Clear Concrete Sealer enriches color and appearance. This premium oil-based formula adds depth of color with a thin protective film.

FEATURES & BENEFITS

- Crystal clear, non-yellowing formula
- Penetrating sealer can be built to a high gloss with multiple coats
- Resists damage from water, salt, UV rays, oil and chemical stains
- Withstands vehicular traffic

RECOMMENDED USES

For use over bare and previously coated concrete and masonry surfaces.

Commonly used on:

- Patios & walkways
- Pool decks
- Driveways
- Pavers
- Natural stone
- Chattahoochee stone
- Flagstone
- Brick & block

COVERAGE RATES

Substrate	sq ft/gal
Concrete floors	200-300
Porous concrete	150-250
Concrete block	100-150
Split-faced block*	75-125
Fluted block	50-100
Brick (clay)	100-150

*Lightweight split-faced block may require a film-forming product due to its extreme porosity.

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

Only use on interior surfaces if the area allows for good ventilation. Strong solvents, such as gasoline or brake fluid, will dull the cured film. Do not use on wood surfaces. Not recommended for immersion (underwater service).

SURFACE PREPARATION

Newly poured concrete must be at least 28 days old. Newly installed pavers should weather a minimum of 60 days; excess joint sand should be swept off the surface prior to sealer application. All concrete must be clean, dry and free of grease, oil, paint, sealers, etc. A high-pressure water wash is recommended. To spot clean, use *H&C® ConcreteReady® Cleaner Degreaser*, following label instructions. If mold, mildew or fungus are present, kill and remove with a solution of one cup household bleach to one gallon of water. Wear protective eyewear, waterproof gloves and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution. Surface should have the feel of 120-grit sandpaper at minimum, and readily absorb water. To test absorption, spray various sections of the surface to be sealed with water. If the water does not absorb rapidly, concrete must be etched with *H&C® ConcreteReady® Etching Solution*, following label directions. If the surface does not feel like 120-grit sandpaper following the first application, a second etching is required. (NOTE: Porous vertical surfaces, such as standard CMU, split-faced block, and exposed aggregate, generally do not require etching.) Prepared concrete must have a pH level between 6 and 10. Allow 24 hours to dry before sealing.

Previously Painted or Stained Concrete: Make sure all previously painted or stained surfaces are in sound condition. Scrape and sand all loose material prior to the application. To ensure adequate adhesion of the sealer, scuff sand all remaining stain or paint.* Reapplication of the stain or coating may be necessary to create an even, uniform appearance. To remove light soil from the surface, use *H&C® ConcreteReady® Etching Solution* mixed to a 50/50 ratio with water. To remove heavy oil and grease stains, use the cleaner full strength.

Repair: Use *H&C® ConcreteReady® Quick Patch and Repair*, following label directions, to fill low spots and spalled concrete. Note: Patching compounds will generally be visible through clear coatings.

*WARNING: Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. To avoid exposure to lead dust, wear proper protective equipment, such as a properly fitted respirator (NIOSH approved) and follow proper containment and cleanup procedures. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

TOOLS REQUIRED

- Natural bristle brush
- High density roller cover (3/8- to ½-inch nap)
- Airless sprayer (pressure 1500 psi; tip .011 to .013 inch)
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

For best results, surface and air temperature should be above 50°F and below 90°F. Temperature should not fall below 40°F for 24 hours following application. Do not apply if rain is expected within 12 hours of application. Stir thoroughly before and during application. A minimum of two coats is recommended. DO NOT THIN.

First Coat: Apply first coat liberally and evenly, working in one direction. DO NOT OVERAPPLY. Remove excess material by back-rolling. Allow to dry at least 4 hours before applying second coat.

Second Coat: For best coverage, apply second coat perpendicular to the first coat. Two coats are usually sufficient. A third coat may be necessary to ensure uniformity, depending on the porosity of the surface. One coat is usually sufficient when applied over *H&C® ColorTop® Solvent-Based Solid Color Concrete Sealer 250*.

SLIP RESISTANCE

Some surfaces may require a slip/skid-resistant additive for safety. Surfaces may be slippery when wet and proper preventative precautions are recommended. To increase slip/ skid resistance, add *H&C® SharkGrip® Slip Resistant Additive* to the coating when applying. See product data page for detailed instructions. The addition of anti-slip/skid additives will not eliminate the possibility or risk of slipping/skidding or falling.

CLEANUP

Clean tools with xylene following manufacturer's safety instructions. Use waterless hand cleaner to remove dried material from skin.

DISPOSAL

Follow your state or local regulations for disposal methods.

MAINTENANCE

Clean light to moderately soiled surfaces with a 50/50 solution of *H&C® ConcreteReady® Cleaner Degreaser* and water. Use the cleaner at full strength for heavy soiling, such as oil and grease stains.

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	30 mins.
	Recoat	4 hours
	Foot traffic	24 hours
	Heavy traffic	72 hours
VOC	EPA Method 24	<660 g/L; 5.37 lbs/gal
Finish	ASTM D523	Gloss (85 units @ 60°)
Flash Point	ASTM D93, PMCC	80°F
Hardness	Tukon	12-1,000 cycles
Water-Vapor Permeability	ASTM D96-66	0.001
Weatherometer Test	G23F Type, 500 hours	No failure
Acid and Alkali Resistance (after 24 hours exposure)	2% NaOH	Slight dulling
	5% Tide detergent	No effect
	2% Ivory flakes	No effect
	5% citric acid	No effect
	100% milk	Very slight whitening
	5% hydrochloric acid	Very slight whitening
	5% phosphoric acid	No effect
	Mustard	No effect
Volume Solids	ASTM D2832	17% ± 2%
Weight Solids	ASTM D2832	23% ± 2%
Weight per Gallon	ASTM D1475	6.9 lbs.

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	50.100304-16 / 6507-12193
5 gallons	50.100305-20 / 6507-12201

CAUTION

CAUTIONS CONTAINS ALIPHATIC HYDROCARBONS & XYLENE.

Contents are **FLAMMABLE**. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. 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 for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician.

If swallowed do not induce vomiting. Call Poison Control Center, hospital emergency room, or physician immediately.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **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.

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.hcconcrete.com.