



H&C® CLARISHIELD® SOLVENT-BASED GLOSS CONCRETE SEALER 250



PRODUCT DESCRIPTION

H&C® CLARISHIELD® Solvent-Based Gloss Concrete Sealer 250 is a clear gloss concrete sealer designed to add deep penetrating protection to exterior concrete such as driveways, patios, walkways, garage floors and masonry walls. Designed for use over bare concrete or previously stained concrete. This non-yellowing clear protects against UV rays, water seepage and common chemicals.

** H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250 is formerly known as H&C Low VOC Concrete Sealer Clear Gloss.*

FEATURES & BENEFITS

- Seals and protects to extend the life of concrete and masonry surfaces.
- Imparts a beautiful high-gloss finish.
- Won't peel, fade, or yellow over time.
- Resists damage from salt, UV rays oil, acids, pool chemicals and heavy traffic.
- Exterior Use

RECOMMENDED USES

H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250 is formulated for use on exterior concrete and masonry surfaces including driveways, walkways, patios, pool decks, garage floors, and block and stucco walls. It can be applied to bare concrete or over H&C® COLORTOP™ Solvent-Based Solid Color Concrete Sealer 250 as a clear topcoat. It can also be used as a concrete cure and seal for freshly placed concrete.

COVERAGE RATES

Substrate	sq ft/gal
Concrete floors	200-250
Porous concrete	150-250
Concrete block	100-150
Split-faced block*	100-125
Fluted block	75-100
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, such as garage floors, 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.

SURFACE PREPARATION

Bare Concrete: Allow new concrete to cure at least 28 days. Concrete surfaces should be able to absorb water. To test absorption, spray various sections of the surface to be stained with water. If the water does not absorb rapidly, then acid etch the surface using H&C® CONCRETEREADY® Etching Solution, following label instructions. After proper etching, the surface should feel like 120-grit sandpaper. If not, then etch again. Mechanical abrasion methods may be necessary to achieve proper profile. Do not apply the stain until all surfaces are porous. Allow all surfaces to dry at least 24 hours before staining. Prepared concrete must have a pH of 6 to 10.

Existing Concrete: All surfaces must be clean, dry and free of grease, oil, paint and sealers.* To remove light soil from the surface, use H&C CONCRETEREADY Cleaner Degreaser mixed to a 50/50 ratio with water. To remove heavy oil and grease stains, use the cleaner full strength. If mold, mildew or fungus is present, kill and remove with a solution of 1 part household bleach to 3 parts water.

Freshly Placed Concrete: H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250 complies with ASTM C309 standard specification for liquid membrane-forming compounds for curing concrete. When using on freshly placed concrete, wait 72 hours before sealing.

***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.

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 that patching compounds will generally be visible through clear coatings.

TOOLS REQUIRED

- Natural bristle brush
- Lamb's wool or synthetic roller (3/8- to 1/2-inch nap)
- Airless sprayer (pressure 500 to 1000 psi; tip .011 to .013 inch)
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

Wait at least 24 hours after washing surface or after rain before applying H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250. Only apply under dry conditions. Air and concrete surface temperatures should be above 50°F and below 95°F for 24 hours following application. Before applying as a clear topcoat over H&C COLORTOP Solvent-Based Solid Color Concrete Sealer 250, allow at least 12 hours of dry time.

How to Apply: Stir thoroughly before and during application. Do not shake or whip air into sealer, and do not reduce. Apply with a brush, roller, or airless sprayer. When applying by roller, maintain a wet edge, going in the same direction during the entire application. When spraying, back roll sealer to remove excess, which will ensure an even finish. Do not overapply.

Additional Coats: One coat of H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250 is normally sufficient when applied over H&C COLORTOP Solvent-Based Solid Color Concrete Sealer 250. Two coats may be required over bare concrete for maximum protection. Allow a minimum of 4 hours dry time between coats. Apply second coat in a perpendicular direction to the first coat.

SLIP RESISTANCE

Some surfaces such as inclined driveways, garages, steps and patios may require a slip-resistant additive for safety. Add H&C® SHARKGRIP® Slip-Resistant Additive to the final coat, following label directions. This product should not be used in place of a nonskid finish.

Other Uses and Systems

For a complete water repellent system on very porous masonry surfaces (*split-face, CMU, and fluted block), apply 1 flood coat of H&C® HYDRO-DEFEND® HB-100 or HB-150 then 2 coats of H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250. Refer to the HB-100/150 data sheet for specific application instructions.

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

CLEANUP

Clean spills and spatters immediately with xylene. Clean tools immediately after use with xylene. Follow manufacturer's safety recommendations when using any solvent cleaner.

MAINTENANCE

Clean surfaces coated with H&C CLARISHIELD Solvent-Based Gloss Concrete Sealer 250 using a mixture of 3 parts water to 1 part H&C CONCRETEREADY Cleaner Degreaser.

DISPOSAL

Follow your state or local regulations for disposal methods.

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	30 mins.
	Light foot traffic	Overnight
	Heavy traffic	72 hours
	Recoat	4 hours
VOC	EPA Method 24	<250 g/L
Finish	ASTM D523	Gloss
Flash Point	ASTM D93, PMCC	80°F
QUV Weather Test	ASTM-G151-97	1,000 hours, no effect
Chemical Resistance (after 24 hours exposure)	2% NaOH	No effect
	5% Tide detergent	No effect
	Gasoline	Dulling
	Brake fluid	Dulling
	Transmission fluid	No effect
	Motor oil	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	30.102004-16/ 6507-11971
5 gallons	30.102005-20/ 6507-11989

CAUTION

CAUTIONS: CONTAINS AROMATIC HYDROCARBONS 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, 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.