



- Exterior use
- Protects surfaces from heavy traffic and chemical exposure
- Crystal clear, non-yellowing finish
- Gloss Finish

H&C® CLARISHIELD™ OIL-BASED CONCRETE SEALER



PRODUCT DESCRIPTION

H&C® CLARISHIELD™ Oil-Based Concrete Sealer is a exterior waterproofing sealer that adds gloss and durability to both vertical and horizontal brick, stone, masonry and mortar or epoxy set natural stone. It can also be used as a sealer on flagstone, brick or other cementitious materials.

** H&C® CLARISHIELD™ Oil-Based Concrete Sealer is formerly known as H&C® Concrete Sealer Oil-Based Clear Gloss.*

FEATURES & BENEFITS

- Seals and protects to extend the life of concrete and masonry surfaces.
- A penetrating sealer that can be built to a high-gloss finish with multiple coats.
- Crystal clear, Won't yellow or discolor over time.
- Resists damage from water, UV rays, pool chemicals, most cleaning agents and heavy traffic.

RECOMMENDED USES

H&C® CLARISHIELD™ Oil-Based Concrete Sealer is formulated for use on interior and exterior concrete, brick, masonry, and stone surfaces. Use as a protective sealer on concrete driveways, walkways, patios, and pool decks or as a decorative glaze over brick and concrete block retaining walls, epoxy-set Chattahoochee stone, and flagstone. It is also ideal for use as a gloss finish over H&C® COLORTOP™ Solvent-Based Solid Color Concrete Sealer.

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 test the product in an inconspicuous spot for adhesion and compatibility prior to full-scale application.

LIMITATIONS

Strong solvents, such as gasoline or brake fluid, will dissolve the cured film. For a complete waterproofing system on extremely porous masonry surfaces (split-face, CMU, and fluted block), apply 1 flood coat of H&C® HYDRO-DEFEND™ HB-100 or HB-150 before applying sealer. Do not use on wood surfaces. Not recommended for immersion (underwater service).

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.

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.

***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
- Lamb's wool or synthetic roller (3/8- to ½-inch nap)
- Optional: Airless sprayer (pressure 1500 psi; tip .011 to .013 inch)

APPLICATION INSTRUCTIONS

Wait at least 24 hours after washing surface or after rain before applying H&C® CLARISHIELD™ Oil-Based Concrete Sealer. Only apply under dry conditions. Application to a damp surface may cause a hazy appearance or loss of adhesion. Air and concrete surface temperatures should be above 50°F and below 90°F for 24 hours following application. Before applying as a clear topcoat over H&C® COLORTOP™ Solvent-Based Solid Color Concrete Sealer, 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. If the surface has corners or edges, coat those with a brush first to ensure complete coverage. Then using a roller, evenly apply the first coat to the rest of the surface, working in one direction. If applying by airless sprayer, back roll sealer to remove excess, which will ensure an even finish. Do not overapply.

Additional Coats: For the best coverage on bare surfaces, apply a second coat of H&C® CLARISHIELD™ Oil-Based Concrete Sealer, working in the opposite direction of the first coat. Allow a minimum of 4 hours dry time between coats. When applying over H&C® COLORTOP™ Solvent-Based Solid Color Concrete Sealer, one coat of sealer is sufficient.

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.

CLEANUP

Clean tools with H&C® D-100® Solvent or Xylene. Follow solvent manufacturer's safety instructions when using any solvent cleaner. Use "waterless" hand cleaner to remove dried material from skin.

MAINTENANCE

Surfaces coated with H&C® CLARISHIELD™ Oil-Based Concrete Sealer are easily cleaned 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	643 g/L; 5.37 lbs/gal
Static Coefficient of Friction	Without SharkGrip	.6
	With SharkGrip	.84
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	50.120234/6507-12193
5 gallons	50.120235/6507-12201

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.