



H&C® HYDRO-DEFEND CONCRETE & MASONRY WATERPROOFER SEALER



PRODUCT DESCRIPTION

H&C HYDRO-DEFEND is a premium quality water-based sealer that penetrates and protects aged, dry, porous surfaces. Because it penetrates, it resists water damage long after the water beading is gone. The durable acrylic formula can be used for both interior and exterior applications.

FEATURES & BENEFITS

- Water-Based formulation.
- Protects against damaging freeze/thaw cycles.
- Reduces intrusion of water, de-icing salts and other contaminants.
- Milky-white when applied to ensure complete coverage, but dries to a clear transparent moisture barrier
- User-friendly, soap and water clean-up.

RECOMMENDED USES

H&C HYDRO-DEFEND Acrylic-Based Concrete & Masonry Waterproofing Sealer is formulated for use on concrete and masonry surfaces including stucco, concrete block, stone, brick, patios, walkways and pool decks

COVERAGE RATES

Substrate	sq ft/gal
Concrete floors	200-300
Porous concrete	150-200
Concrete block	50-75
Fluted block	75-100
Brick (clay)	100-150
Precast Concrete	125-175

*Coverage will vary depending on the porosity and texture of the substrate.

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

Not recommended on surfaces subject to vehicle traffic.
For use on BARE surfaces only.

SURFACE PREPARATION

New 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 treated 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 water repellent until all surfaces are porous. Allow all surfaces to dry at least 24 hours before treating. Prepared concrete must have a pH of 6 to 10.

Existing Concrete: All 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. If mold, mildew, or fungus is present, kill and remove with a solution of 1 cup household bleach to 1 gallon of water. In order to ensure adhesion of H&C HYDRO-DEFEND Water Repellents all paint or coating must be removed from the surface by mechanical abrasion.

Repair: For the best repair on vertical and horizontal concrete and masonry surfaces, use H&C CONCRETEREADY Quick Patch and Repair to fill low spots and spalled concrete. Please note that patching compounds will generally be visible through clear coatings.

TOOLS REQUIRED

- Synthetic roller (3/8- to 1/2-inch nap)
- Pump up sprayer (pressure 5 to 15 psi; tip Cone)
 - *Backrolling recommended after spraying
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

Wait at least 24 hours after washing surface or after rain before applying H&C HYDRO-DEFEND Acrylic-Based Concrete & Masonry Waterproofer Sealer. Only apply under dry conditions. Air and concrete surface temperatures should be above 50°F and below 90°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 brush, roller, or pump up 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 HYDRO-DEFEND Acrylic-Based Concrete & Masonry Waterproofer Sealer is normally sufficient. For extremely porous surfaces, apply second coat within 2–4 hours of first coat. A sample brush out on the surface to be treated is recommended to make sure you achieve desired clarity. This will ensure proper penetration and application level.

CLEANUP

Clean tools and any spills or spatters immediately using soap and warm water.

MAINTENANCE

Clean surfaces coated with H&C HYDRO-DEFEND Acrylic-Based Concrete & Masonry Waterproofer Sealer using a mixture of 3 parts water to 1 part H&C CONCRETEREADY Cleaner Degreaser.

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	1 hour
	Light foot traffic	2 hours
	Heavy traffic	72 hours
	Recoat	4 hours
VOC	EPA Method 24	114 g/L
Finish	ASTM D523	Flat
Volume Solids	ASTM D2832	9% ± 2%
Weight Solids	ASTM D 5095	9% ± 2%

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	50.143054-16/ 6507-12334
5 gallons	50.143055-20/ 6507-12342

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.

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, 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.

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.