



- Interior & Exterior use
- Protects surfaces from heavy traffic and chemical exposure
- Flat finish

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



PRODUCT DESCRIPTION

H&C® HYDRO-DEFEND™ Acrylic-Based Concrete & Masonry Waterproofer Sealer 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 Waterproofer 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 test the product in an inconspicuous spot for adhesion and compatibility prior to full-scale application.

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 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 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. If surface has been previously painted, remove all old, peeling, flaking paint by rough sanding in a circular motion to ensure adhesion of H&C® HYDRO-DEFEND™ Water-Based Concrete & Driveway Protector.

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

Brush: Use nylon or polyester paint brushes.

Roller: Use a solvent-resistant soft woven roller (3/8- to 1/2-inch nap).

Airless sprayer: Pressure 1500 psi; tip .011 to .017 inch.

Conventional sprayer: Air pressure 30-50 psi; fluid pressure 15-20 psi; cap/tip 704/FX or equivalent.

HVLP: Cap/needle Titan #3 or equivalent.

NOTE: Back rolling is recommended after spraying.

APPLICATION INSTRUCTIONS

Wait at least 24 hours after washing surface or after rain before applying H&C® HYDRO-DEFEND™ Acrylic-Based Concrete & Masonry Waterproofing Sealer. Only apply 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 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® HYDRO-DEFEND™ Acrylic-Based Concrete & Masonry Waterproofing Sealer is normally sufficient. For extremely porous surfaces, apply second coat within 2–4 hours of first coat, working in second coat thoroughly. 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.

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

MAINTENANCE

Clean surfaces coated with H&C® HYDRO-DEFEND™ Acrylic-Based Concrete & Masonry Waterproofing 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	15 minutes
	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%
Weight per Gallon	ASTM D147	8.4 lb ± 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.