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H&C®

CONCRETE SEALER

SOLID COLOR SOLVENT BASED

FORMERLY SILICONE ACRYLIC SEALER

PRODUCT DESCRIPTION	CHARACTERISTICS	PERFORMANCE TESTS																				
<p>H&C® Concrete Sealer Solvent Based is an opaque, waterproofing sealer formulated to bond with concrete or masonry surfaces to provide a long-lasting, hard, decorative finish.</p>	<p>Color: 11 ready mixed colors, 2 tintable bases and a clear for added protection.</p>	<p>Water Repellency on Masonry: Method: SS-W-110C, weight gain Result: 0.1% on Mortar Cube 0.0% on Concrete Brick 0.0% on Clay Brick</p>																				
<p>Features:</p> <ul style="list-style-type: none"> • Low film build maintains architectural details • Protects and beautifies exterior concrete and masonry • Bonds with the surface • Will not peel, flake, or fade • Long lasting finish • Resists oil, gasoline, water, and Ultra Violet light • Resists hot tire pick-up 	<p>Custom Tinting:</p> <table border="0"> <tr> <td>Extra White Base 1's</td> <td>0-3 oz</td> </tr> <tr> <td>Deep Base 1's</td> <td>3-6 oz</td> </tr> </table>	Extra White Base 1's	0-3 oz	Deep Base 1's	3-6 oz	<p>Water Vapor Transmission: Method: ASTM D1653 Method A Result: 0.6 grains / sq ft / hour 10.8grams/sqmeter/24hrs</p>																
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<p>Recommended Uses:</p> <ul style="list-style-type: none"> • Stadium Supports • Bridges and Bridge Structures • Parking Garages • Patios and Walkways • Pool Decks • Concrete Driveways • Garage Floors • Block & Stucco Walls • Athletic/Tennis/Shuffleboard Courts • Other Concrete Structures 	<p>Coverage</p> <table border="0"> <tr> <td>Concrete floors</td> <td>sq ft/gal</td> <td>200-250</td> </tr> <tr> <td>Porous concrete</td> <td></td> <td>150-200</td> </tr> <tr> <td>Concrete block</td> <td></td> <td>125-150</td> </tr> <tr> <td>Split faced block</td> <td></td> <td>100-125</td> </tr> <tr> <td>Fluted block</td> <td></td> <td>75-100</td> </tr> <tr> <td>Brick (clay)</td> <td></td> <td>100-150</td> </tr> </table> <p>Coverage will vary depending on the porosity and texture of the substrate</p>	Concrete floors	sq ft/gal	200-250	Porous concrete		150-200	Concrete block		125-150	Split faced block		100-125	Fluted block		75-100	Brick (clay)		100-150	<p>Weatherometer Test: Method: G23F Type, 2000 hours Result: no failure</p>		
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<p>For a complete water repellant system on porous masonry surfaces, apply 1 flood coat of H&C® HB-100 or HB-150 then 2 coats of H&C® Concrete Sealer Solvent Based. Lightweight Split Faced may require a film forming product due to it's extreme porosity.</p>	<p>Drying Time, @ 77°F, 50% RH: temperature and humidity dependent</p> <table border="0"> <tr> <td>Touch:</td> <td>15 minutes</td> </tr> <tr> <td>Light Foot Traffic:</td> <td>1 hour</td> </tr> <tr> <td>Light Traffic & Recoat:</td> <td>12 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td>72 - 96hrs</td> </tr> </table>	Touch:	15 minutes	Light Foot Traffic:	1 hour	Light Traffic & Recoat:	12 hours	Heavy Traffic:	72 - 96hrs	<p>Wind Driven Rain: Method: TT-P-555B Result: No visible water leaks 0.0 oz. weight gain</p>												
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<p>H&C® Concrete Sealer Solvent Based is mainly used for exterior concrete surfaces. It can be used on interior surfaces, such as garage floors, only if the area allows for very good ventilation.</p>	<p>Flash Point: 80°F, PMCC</p>	<p>Acid & Alkali Resistance Tests: Each was allowed to react for 24 hours under a watch glass, washed with water, allowed to recover for 30 minutes then observed.</p>																				
<p>Applicable Standards: Meets or exceeds Federal Standard TT-C-555B, SS-W-110C, and ASTM D1653.</p>	<p>Finish:</p> <table border="0"> <tr> <td>Color</td> <td>**Satin, 15-25 units @ 60°</td> </tr> <tr> <td>Clear</td> <td>**Gloss, >90 units @ 60°</td> </tr> </table> <p>Vehicle Type: Silicone Acrylic White, 10.000014</p>	Color	**Satin, 15-25 units @ 60°	Clear	**Gloss, >90 units @ 60°	<p>Alkali:</p> <table border="0"> <tr> <td>2% NaOH</td> <td>..... Slight dulling</td> </tr> <tr> <td>5% Tide</td> <td>..... No effect</td> </tr> <tr> <td>2% Ivory flakes</td> <td>..... No effect</td> </tr> </table>	2% NaOH Slight dulling	5% Tide No effect	2% Ivory flakes No effect										
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	<p>VOC: 542 g/L; 4.52 lb/gal*</p> <p>Package Colors and Tint bases</p> <table border="0"> <tr> <td>Volume Solids:</td> <td>34% ± 2%*</td> </tr> <tr> <td>Weight Solids:</td> <td>53% ± 2%*</td> </tr> </table> <p>Clear Base (Will not accept colorant)</p> <table border="0"> <tr> <td>Volume Solids:</td> <td>30% ± 2%</td> </tr> <tr> <td>Weight Solids:</td> <td>34% ± 2%</td> </tr> </table> <p>Weight per Gallon: 9.85 lb ± 2%*</p> <p>* May vary depending on color **Sheen will vary depending on texture and porosity of substrate</p>	Volume Solids:	34% ± 2%*	Weight Solids:	53% ± 2%*	Volume Solids:	30% ± 2%	Weight Solids:	34% ± 2%	<p>Acid:</p> <table border="0"> <tr> <td>5% Citric Acid</td> <td>..... No effect</td> </tr> <tr> <td>100% Milk</td> <td>..... Slight discoloring</td> </tr> <tr> <td>5% HCL</td> <td>..... Slight discoloring</td> </tr> <tr> <td>5% Phosphoric Acid</td> <td>..... No effect</td> </tr> <tr> <td>Mustard</td> <td>..... Slight stain</td> </tr> <tr> <td>Ketchup</td> <td>..... No effect</td> </tr> </table>	5% Citric Acid No effect	100% Milk Slight discoloring	5% HCL Slight discoloring	5% Phosphoric Acid No effect	Mustard Slight stain	Ketchup No effect
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		<p>Static Coefficient of Friction: .6</p>																				
		<p>Maintenance H&C™ Concrete Sealer Solvent Based surface is easily cleaned using 3 parts water to 1 part H&C® Cleaner Degreaser.</p>																				



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SURFACE PREPARATION

Testing: Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility prior to full scale application. All surfaces must be clean, dry and free of grease, oil, paint, sealers, etc. To clean, use **H&C[®] Cleaner Degreaser**, following label directions, rinse thoroughly and allow the surface to dry. If mold, mildew or fungus are present, kill and remove by cleaning with a solution of 1 part household bleach to 3 parts water.

Bare Concrete:

New concrete must be cured 28 days. All horizontal concrete must be etched with **H&C[®] Concrete Etching Solution** first, following label directions. For very smooth surfaces (troweled surfaces with no porosity) use **H&C[®] Concrete Etching Solution** at full strength. For smooth-troweled concrete with some porosity, 1 part **H&C[®] Concrete Etching Solution** to two parts water should be used. Do not etch painted surfaces. Properly etched concrete should have the feel of 120 grit sandpaper and should absorb water rapidly. A second etching may be required to achieve the proper texture and porosity. Prepared concrete should have a pH between 6 and 10.

Repair:

For the best waterproofing protection on vertical concrete and masonry, patch and repair cracks and crevices where water can enter. On floor surfaces, use appropriate patching material. Patching compounds will generally be visible through clear coatings.

APPLICATION

- Apply under dry conditions only. Do not apply if rain is expected within 12 hours following application.
- Air and surface temperature should be between 50° and 90°F during and for 24 hours following application.
- Do not over apply.
- Stir thoroughly before and during application.
- Do not reduce.

Brush—Use a synthetic or natural bristle brushes

Roller—Use a 3/8" nap woven or other solvent-resistant cover

Spray—Airless

Pressure 1500 psi

Tip013" - .017"

Spray—Conventional

Air Pressure 30-50 psi

Fluid pressure 15-20 psi

Cap/Tip 704/FX or equivalent

HVLP

Cap/Needle Titan #3 or equivalent

Backrolling recommended after spraying

First Coat: Apply first coat evenly, working in one direction. Allow to dry at least 12 hours before applying the second coat. Do not overwork - brushing or rolling back over partially dried material may cause lifting of the coating from the surface. Allow the material to dry properly and apply another coat as needed.

Second Coat: For best coverage, apply the second coat perpendicular to the first coat. Two coats of **H&C[®] Concrete Sealer** are usually sufficient.

Third Coat: Apply if needed to uniform the finish in the same direction as the first coat.

Slip Resistance

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

CAUTIONS

Do not use on wood surfaces.
Do not use on areas sensitive to solvent attack (e.g.: asphalt).
For atmospheric use only.
Non-photochemically reactive.

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. Contains **XYLENE**. **VAPOR HARMFUL**. Use only with adequate ventilation. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) 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, get medical attention 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.**
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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&C concrete coatings 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.



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<u>ORDERING INFORMATION</u>		<u>ORDERING INFORMATION</u>	
Clear	Part Number/SMIS	Silver Gray	Part Number/SMIS
Gallon	10.000004/107-1547	Gallon	10.000144/107-1463
Five	10.000005/107-2651	Five	10.000145/108-0571
Extra White	Part Number/SMIS	Black	Part Number/SMIS
Gallon	10.104014/640-330-163	Gallon	10.000024/107-1281
Five	10.104015/640-330-171		
Deep Base	Part Number/SMIS		
Gallon	10.106014/640-330-205		
Five	10.106015/640-330-213		
Bombay	Part Number/SMIS		
Gallon	10.000054/107-2461		
Five	10.000055/107-2610		
Sandstone	Part Number/SMIS		
Gallon	10.000124/107-1513		
Five	10.000125/107-2636		
Autumn Brown	Part Number/SMIS		
Gallon	10.000034/107-1414		
Five	10.000035/108-0506		
Tile Red	Part Number/SMIS		
Gallon	10.000164/107-1497		
Five	10.000165/107-2644		
Terra Cotta	Part Number/SMIS		
Gallon	10.000154/107-0184		
Five	10.000155/108-0589		
Patio Green	Part Number/SMIS		
Gallon	10.000104/107-1505		
Five	10.000105/107-2628		
Pearl Gray	Part Number/SMIS		
Gallon	10.000114/107-1455		
Five	10.000115/107-2602		
Gull Gray	Part Number/SMIS		
Gallon	10.000084/107-9003		
Five	10.000085/107-2594		