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H&C®

# CONCRETE SEALER SOLID COLOR SOLVENT-BASED

FORMERLY SILICONE ACRYLIC SEALER

PRODUCT DESCRIPTION	CHARACTERISTICS	PERFORMANCE TESTS																																																																														
<p><b>H&amp;C® Concrete Sealer Solvent-Based</b> is an opaque, waterproofing sealer formulated to bond with concrete or masonry surfaces to provide a long-lasting, hard, decorative finish.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Low film build maintains architectural details</li> <li>• Protects and beautifies exterior concrete and masonry</li> <li>• Bonds with the surface</li> <li>• Will not peel, flake, or fade</li> <li>• Long lasting finish</li> <li>• Resists oil, gasoline, water, and Ultra Violet light</li> <li>• Resists hot tire pick-up</li> </ul> <p><b>Recommended Uses:</b></p> <ul style="list-style-type: none"> <li>• Stadium Supports</li> <li>• Bridges and Bridge Structures</li> <li>• Parking Garages</li> <li>• Patios and Walkways</li> <li>• Pool Decks</li> <li>• Concrete Driveways</li> <li>• Garage Floors</li> <li>• Block &amp; Stucco Walls</li> <li>• Athletic/Tennis/Shuffleboard Courts</li> <li>• Other Concrete Structures</li> </ul> <p>For a complete water repellant system on porous masonry surfaces, apply 1 flood coat of <b>H&amp;C® HB-100 or HB-150</b> then 2 coats of <b>H&amp;C® Concrete Sealer Solvent-Based</b>. Lightweight Split Faced may require a film forming product due to it's extreme porosity.</p> <p><b>H&amp;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.</b></p> <p><b>Applicable Standards:</b> Meets or exceeds Federal Standard TT-C-555B, SS-W-110C, and ASTM D1653.</p>	<p>Color: 10 ready mixed colors, 2 tintable bases and a clear for added protection.</p> <table border="0"> <tr> <td><b>Custom Tinting:</b></td> <td><b>Tint Load</b></td> </tr> <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> <table border="0"> <tr> <td>Coverage</td> <td>sq ft/gal</td> </tr> <tr> <td>Concrete floors</td> <td>200-250</td> </tr> <tr> <td>Porous concrete</td> <td>150-200</td> </tr> <tr> <td>Concrete block</td> <td>125-150</td> </tr> <tr> <td>Split faced block</td> <td>100-125</td> </tr> <tr> <td>Fluted block</td> <td>75-100</td> </tr> <tr> <td>Brick (clay)</td> <td>100-150</td> </tr> </table> <p>Coverage will vary depending on the porosity and texture of the substrate</p> <p><b>Drying Time, @ 77°F, 50% RH:</b> 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 &amp; Recoat:</td> <td>12 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td>72 - 96hrs</td> </tr> </table> <p><b>Flash Point:</b> 80°F, PMCC</p> <p><b>Finish:</b></p> <table border="0"> <tr> <td>Color</td> <td>**Satin, 15-25 units @ 60°</td> </tr> <tr> <td>Clear</td> <td>**Gloss, &gt;90 units @ 60°</td> </tr> </table> <p><b>Vehicle Type:</b> Silicone Acrylic White, 10.000014</p> <p><b>VOC:</b> 542 g/L; 4.52 lb/gal*</p> <p><b>Package Colors and Tint bases</b></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><b>Clear Base (Will not accept colorant)</b></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><b>Weight per Gallon:</b> 9.85 lb ± 2%*</p> <p>* May vary depending on color **Sheen will vary depending on texture and porosity of substrate</p>	<b>Custom Tinting:</b>	<b>Tint Load</b>	Extra White Base 1's	0-3 oz	Deep Base 1's	3-6 oz	Coverage	sq ft/gal	Concrete floors	200-250	Porous concrete	150-200	Concrete block	125-150	Split faced block	100-125	Fluted block	75-100	Brick (clay)	100-150	Touch:	15 minutes	Light Foot Traffic:	1 hour	Light Traffic & Recoat:	12 hours	Heavy Traffic:	72 - 96hrs	Color	**Satin, 15-25 units @ 60°	Clear	**Gloss, >90 units @ 60°	Volume Solids:	34% ± 2%*	Weight Solids:	53% ± 2%*	Volume Solids:	30% ± 2%	Weight Solids:	34% ± 2%	<p><b>Water Repellency on Masonry:</b></p> <table border="0"> <tr> <td>Method:</td> <td>SS-W-110C, weight gain</td> </tr> <tr> <td>Result:</td> <td>0.1% on Mortar Cube 0.0% on Concrete Brick 0.0% on Clay Brick</td> </tr> </table> <p><b>Water Vapor Transmission:</b></p> <table border="0"> <tr> <td>Method:</td> <td>ASTM D1653 Method A</td> </tr> <tr> <td>Result:</td> <td>0.6 grains / sq ft / hour 10.8grams/sqmeter/24hrs</td> </tr> </table> <p><b>Perm Rating</b></p> <table border="0"> <tr> <td>ASTM D1653</td> <td>6.8 grains/(hr ft<sup>2</sup> in Hg)</td> </tr> </table> <p><b>Weatherometer Test:</b></p> <table border="0"> <tr> <td>Method:</td> <td>G23F Type, 2000 hours</td> </tr> <tr> <td>Result:</td> <td>no failure</td> </tr> </table> <p><b>Wind Driven Rain:</b></p> <table border="0"> <tr> <td>Method:</td> <td>TT-P-555B</td> </tr> <tr> <td>Result:</td> <td>No visible water leaks 0.0 oz. weight gain</td> </tr> </table> <p><b>Acid &amp; Alkali Resistance Tests:</b> 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><b>Alkali:</b></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> <p><b>Acid:</b></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> <p><b>Static Coefficient of Friction:</b> .6</p> <p><b>Reflectivity</b> <b>ASTM C1549</b></p> <table border="0"> <tr> <td>White (10.10401-)</td> <td>81.5%</td> </tr> </table>	Method:	SS-W-110C, weight gain	Result:	0.1% on Mortar Cube 0.0% on Concrete Brick 0.0% on Clay Brick	Method:	ASTM D1653 Method A	Result:	0.6 grains / sq ft / hour 10.8grams/sqmeter/24hrs	ASTM D1653	6.8 grains/(hr ft <sup>2</sup> in Hg)	Method:	G23F Type, 2000 hours	Result:	no failure	Method:	TT-P-555B	Result:	No visible water leaks 0.0 oz. weight gain	2% NaOH .....	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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 and horizontal concrete and masonry surfaces, patch and repair cracks with **H&C® Quick Patch and Repair**. Patching compounds will generally be visible through clear coatings.

## APPLICATION

When to Apply: **H&C® Concrete Sealer Solvent Based** should be applied on to a dry surface where moisture content should not exceed. **Air, surface and material** temperature must be between 50° and 90°F and at least 5°F above the dew point during and for 24 hours after application. Do not apply **H&C® Concrete Sealer Solvent Based** if rain is expected in 12 hours following the application. Stir stain thoroughly before and during application. A minimum two coats is required. Apply with brush, roller or spray. When using more than one container, **intermix** all containers together to ensure color uniformity. Prior to applying your first coat, dry-sweep the concrete with a stiff broom or shop vacuum to remove all surface latent.

**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

Tip ..... .013"-.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.

## APPLICATION

**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.

**Maintenance:**

**H&C® Concrete Sealer Solvent Based** surface is easily cleaned using 3 parts water to 1 part **H&C® Cleaner Degreaser**.

**Clean-Up**

Clean tools with **H&C® D-100 solvent**, xylene or toluene. Follow solvent manufacturer's safety instructions. Use "waterless" hand cleaner to remove dried material from skin.



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<b>ORDERING INFORMATION</b>		<b>ORDERING INFORMATION</b>		<b>CAUTIONS</b>
<b>Clear</b>	<b>Part Number/SMIS</b>	<b>Silver Gray</b>	<b>Part Number/SMIS</b>	<p>Do not use on wood surfaces. Do not use on areas sensitive to solvent attack (e.g.: asphalt). Non-photochemically reactive.</p> <p>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. LCE 11/29/99 02 00</p> <p><b>TECHNICAL SERVICES</b></p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&amp;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&amp;C or Sherwin-Williams representative to obtain the most recent Product Data sheet.</p>
Gallon	10.000004/107-1547	Gallon	10.000144/107-1463	
Five	10.000005/107-2651	Five	10.000145/108-0571	
<b>Extra White</b>	<b>Part Number/SMIS</b>	<b>Black</b>	<b>Part Number/SMIS</b>	
Gallon	10.104014/640-330-163	Gallon	10.000024/107-1281	
Five	10.104015/640-330-171			
<b>Deep Base</b>	<b>Part Number/SMIS</b>			
Gallon	10.106014/640-330-205			
Five	10.106015/640-330-213			
<b>Bombay</b>	<b>Part Number/SMIS</b>			
Gallon	10.000054/107-2461			
Five	10.000055/107-2610			
<b>Sandstone</b>	<b>Part Number/SMIS</b>			
Gallon	10.000124/107-1513			
Five	10.000125/107-2636			
<b>Autumn Brown</b>	<b>Part Number/SMIS</b>			
Gallon	10.000034/107-1414			
Five	10.000035/108-0506			
<b>Tile Red</b>	<b>Part Number/SMIS</b>			
Gallon	10.000164/107-1497			
Five	10.000165/107-2644			
<b>Terra Cotta</b>	<b>Part Number/SMIS</b>			
Gallon	10.000154/107-0184			
Five	10.000155/108-0589			
<b>Patio Green</b>	<b>Part Number/SMIS</b>			
Gallon	10.000104/107-1505			
Five	10.000105/107-2628			
<b>Pearl Gray</b>	<b>Part Number/SMIS</b>			
Gallon	10.000114/107-1455			
Five	10.000115/107-2602			
<b>Gull Gray</b>	<b>Part Number/SMIS</b>			
Gallon	10.000084/107-9003			
Five	10.000085/107-2594			