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**H&C®**

# ETCHING SOLUTION

<u>DESCRIPTION</u>	<u>PRODUCT USE</u>	<u>TECHNICAL DATA</u>
<p><b>H&amp;C® Etching Solution</b> is a phosphoric acid-based etcher that has been developed to acid etch concrete surfaces before applying <b>H&amp;C® Concrete Sealer Solvent Based</b>, <b>H&amp;C® Concrete Stain Water Based</b>, and other coatings.</p> <p><b>Basic Uses:</b></p> <ul style="list-style-type: none"> <li>• Basement floors and walls</li> <li>• Garage floors, carports and driveways</li> <li>• Porches, patios, walkways, steps</li> <li>• Swimming pool aprons</li> <li>• Recreation areas</li> <li>• Parking structures and parking lots</li> <li>• Retaining walls</li> <li>• Containment areas</li> <li>• Tilt-up construction</li> </ul> <p><b>Alternate Uses:</b></p> <ul style="list-style-type: none"> <li>• Removes efflorescence (alkali salts)</li> <li>• Reduces the pH of new concrete and new mortar joints.</li> </ul> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>• Creates a porous surface</li> <li>• No fumes</li> <li>• Increases penetration of concrete stains and sealers</li> <li>• Biodegradable-safe for use near grass and gardens</li> </ul>	<p>Concrete must be cured a minimum of 28 days. Sweep the surface to remove loose debris. Scrape off excess grease and oil and spot clean any grease or oil with <b>H&amp;C® Cleaner Degreaser</b>. For very smooth surfaces (troweled surfaces with no porosity) use <b>H&amp;C® Etching Solution</b> at full strength. For smooth-troweled concrete with some porosity, 1 part <b>H&amp;C® Etching Solution</b> to two parts water should be used.</p> <p>Working a 10' by 10' section at a time, dampen the surface with a fine spray of water and then apply <b>H&amp;C® Etching Solution</b> evenly over the surface using a plastic sprinkling can.</p> <p>Solution should foam on contact with bare concrete, if no foaming occurs, the surface may have been previously sealed or has a contaminant on the surface. Remove the sealer or reclean the surface and proceed with the etching process.</p> <p>Scrub the solution into the surface with a stiff bristle broom until the foaming stops. Triple rinse the surface with clean water. Scrub while rinsing to ensure removal of all loosened material and any acid residue.</p> <p>Allow the surface to dry thoroughly before applying any concrete stain or sealer. The finished surface should have a texture that feels like 120 grit sandpaper. If the surface remains smooth, re-etching may be required.</p> <p>Just before application of any concrete stain or sealer, broom, vacuum or use a leaf blower to remove any loosened surface material created during the etching process.</p>	<p><b>Physical and Chemical Data:</b></p> <p>Specific Gravity: ..... 1.13          Boiling Point: ..... 212-213°F          Volatile Volume: ..... 75%          Weight per gallon: ..... 9.43 lb/gal          VOC: ..... 0.00 lb          Flash Point: ..... N/A          HMIS: ..... 200</p> <p style="text-align: center;"><b><u>CAUTIONS</u></b></p> <p><b>Safety Instructions</b></p> <ul style="list-style-type: none"> <li>• Do not permit contact with eyes or skin</li> <li>• Avoid prolonged breathing of vapors</li> <li>• Ventilate area being coated during application and drying periods</li> <li>• If material contacts skin, wash thoroughly with soap and water</li> <li>• <b>Do not use on asphalt</b></li> </ul> <p style="text-align: center;"><b><u>ORDERING INFORMATION</u></b></p> <p><b>Part Numbers</b>          Gallon 50.060004</p> <p><b>SMIS</b>          Gallon 108-1116</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>