



# V-SEAL® PHASE 2

For enhancing surfaces sealed with V-SEAL®

PRODUCT INFORMATION		Revised 7/04				
PRODUCT DESCRIPTION	RECOMMENDED USES					
<p><b>V-SEAL® Concrete Sealer</b> will wear away only when the substrate itself wears away to the lowest penetration of the sealer. However, science has revealed new means to enhance lasting benefits and restore like-new benefits to worn substrates previously sealed with V-SEAL®. V-SEAL® PHASE 2 (P2) is specifically formulated as a secondary application to V-SEAL® 101, 102 and 101ER. It contains a molecular structure that is significantly smaller than V-SEAL®, which by itself cannot match the sealing power of V-SEAL®. However, combining the two molecular structures increases substrate strength, moisture repellence and stain resistance - similar to filling a container with golf balls, then filling it again with bb's.</p> <p>P2 is a colorless, odorless water-based solution of specialized reactive chemicals that penetrate concrete surfaces to seal, densify and harden the material. P2 is a water based product and as a result is V.O.C. compliant and environmentally safe to use. P2 penetrates up to 5mm into the concrete surface and undergoes a chemical reaction that turns the concrete substrate into a hardened, more densified mass. Surfaces treated with PHASE 2 are not only more abrasion resistant, but are more resistant to chemicals and water than untreated concrete.</p>	<p>PHASE 2 is a premium product for re-sealing substrates previously sealed with V-SEAL®101 and 102.</p> <p><b>Ideal for:</b> Driveways / Walkways / Basements            Concrete Pavers / Split face            Masonry products / Mortar            Pool decking / Marcite / Gunite / Stucco            Bridges / Tunnels / Foundations            Parking garages / Warehouse floors</p> <p><u>Below grade / pre-cast / tilt-up / forms / bridge decks</u></p> <p>Commercial Concrete Applications            Decorative Concrete Application Preservation            Historical Preservation</p>					
PRODUCT CHARACTERISTICS	Meets Specifications					
<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• Long term protection</li> <li>• Seals, hardens and dust proofs</li> <li>• Resists black rubber tire marks</li> <li>• Resists salt, freeze/thaw, chemicals</li> <li>• Will not scratch or peel</li> <li>• Environmentally safe</li> <li>• Water-based, V.O.C. compliant</li> <li>• No odor, no fumes</li> <li>• USDA approved for incidental food contact</li> <li>• Does not alter appearance or traction</li> </ul> <p><b>APPROXIMATE COVERAGE:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">First Coat</td> <td>200 sq. ft. per gal. (4.9 m<sup>2</sup>/L)</td> </tr> <tr> <td>Second Coat (as desired)</td> <td>300 - 400 sq. ft. per gal. (7.4 - 9.8 m<sup>2</sup>/L)</td> </tr> </table> <p>Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.</p> <p><b>DRYING TIME:</b>            Approximately 2-4 hrs. at 70°F (21°C) with good air circulation.</p> <p><b>PACKAGING:</b>            1 gal. Containers (3.8L), 5 gal. pails (18.9L) and 55 gal. drums (208L)</p> <p><b>CLEAN UP:</b> Immediate and thorough flushing w/ clean water.</p>	First Coat	200 sq. ft. per gal. (4.9 m <sup>2</sup> /L)	Second Coat (as desired)	300 - 400 sq. ft. per gal. (7.4 - 9.8 m <sup>2</sup> /L)	<p><b>Active Ingredients:</b> 100% of total solids  <b>Specific Gravity:</b> 1.2  <b>Film:</b> 0  <b>Flash Point:</b> None  <b>V.O.C. Content:</b> 0 gm/liter  <b>Skid Resistance:</b> Good  <b>Depth of Penetration:</b> 5mm into concrete</p> <p><b>Water Absorption:</b>            ASTM C-642 = 3.4% in 24 hours            Leading Competitor – 4.25% in 24 hours</p> <p><b>Compressive Strength: ASTM C-140</b>            Concrete treated with 117                – 3,910 psi (27MPa) average            Untreated concrete                – 3,461 psi (23.9 MPa) average</p> <p><b>Water Vapor Transmission Rate</b>                – 217 grams/sq. ft. – 24 hours</p>	
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Application Instructions	Limitations										
<p>Apply only when temperatures are above 40°F (4°C). Avoid contact with glass, aluminum and polished metal surfaces. If contact occurs, wash immediately with water.</p> <p><b>New Concrete:</b> Apply at any time after 21 days to new concrete sealed with V-SEAL 101.</p> <p><b>Old Concrete/Masonry:</b> Apply to substrates previously sealed with V-SEAL 101, 102, or 101ER. Always test small area for porosity. All surfaces to be treated must be clean and sound. Remove all membrane forming curing compounds, sealers, oil, grease, dirt and other contaminants. For best results, remove any concrete laitance and patch or fix all cracks and damaged areas. Apply P2 to point of rejection by sprayer, roller, broom, or mechanical scrubber. For superior results, work-in to a manageable area for 10-15 minutes with roller, broom, or mechanical scrubber. Thoroughly remove excess material to avoid chalk residue. Residue will not affect performance of sealer and dissipates with normal wear. Extremely porous or rough surfaces, a second application may be required.</p> <p>If a second coat is required, immediately apply it in a similar manner as the first coat. Do not allow the treated surfaces to dry between applications. The use of a mechanical scrubber will increase the effectiveness of the application. The machine trowel surfaces may develop a "polished" appearance.</p> <p><b>DRYING TIME:</b> Approximately 2-4 hrs. at 70°F (21°C) with good air circulation.</p> <p><b>APPROXIMATE COVERAGE:</b> First Coat                                200-300 sq. ft./gal. (4.9 m<sup>2</sup>/L) Second Coat (if necessary)        300-400 sq. ft./gal. (7.4 -9.8 m<sup>2</sup>/L) Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.</p>	<p><b>LIMITATIONS:</b> Ponded or puddled material should be squeegeed, brushed, or removed, otherwise white residue may appear on the surface. If white residue starts to appear on the surface during drying, immediately remove with hot water and scrubbing. Surfaces may be slippery during application. If P2 is accidentally applied to glass, aluminum or polished metal, immediately rinse with water to prevent etching.</p> <p>Keep containers of P2 from freezing. A test installation is recommended. Shelf life is one year.</p> <tr> <th data-bbox="834 621 1502 657">Clean Up</th> </tr> <tr> <td data-bbox="834 657 1502 758"> <p><b>Immediate and thorough flushing with clean water.</b></p> </td> </tr> <tr> <th data-bbox="834 758 1502 793">Maintenance</th> </tr> <tr> <td data-bbox="834 793 1502 961"> <p>On floors, mop or use mechanical scrubbing with detergents or water. Mopping or scrubbing the floor will prolong the life of the floor, as well as increase the "polished" look. Wipe up chemical spills as soon as possible.</p> </td> </tr> <tr> <th data-bbox="834 961 1502 997">ORDERING/SHIPPING INFORMATION</th> </tr> <tr> <td data-bbox="834 997 1502 1241"> <p><b>Packaging:</b> 1 gal. jugs 5 gal. pails 55 gal. drums * <i>Overseas Containers, call for details</i></p> <p><b>Shipping:</b> UPS / FedEx / Courier for small quantities Truck for larger quantities and drums</p> </td> </tr> <tr> <th data-bbox="142 1241 834 1276">Warnings</th> <th data-bbox="834 1241 1502 1276">SAFETY/FIRST AID PRECAUTIONS</th> </tr> <tr> <td data-bbox="142 1276 834 1646"> <ul style="list-style-type: none"> <li>• Keep out of the reach of children</li> <li>• Surfaces may be slippery until dry</li> <li>• Do not take internally</li> <li>• Read MSDS before using product.</li> </ul> </td> <td data-bbox="834 1276 1502 1646"> <p>In case of ingestion, CALL A PHYSICIAN immediately.</p> <p><b>DO NOT</b> induce vomiting</p> <p>If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. 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Manufactured for: V-SEAL/TARA Distr. Group, LTD / Emergency Phone: 800-255-3924 / Information 877-738-7325

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