



V-SEAL® PHASE II

For enhancing surfaces sealed with V-SEAL®

PRODUCT INFORMATION		Revised 7/09				
PRODUCT DESCRIPTION	RECOMMENDED USES					
<p>V-SEAL® Brand Penetrating Concrete Sealers 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 II (PII) 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>PII is a colorless, odorless water-based solution of specialized reactive chemicals that penetrate concrete surfaces to seal, densify and harden the material. PII is a water based product and as a result is V.O.C. compliant and environmentally safe to use. PII penetrates into the concrete surface and undergoes a chemical reaction that turns the concrete substrate into a hardened, more densified mass. Surfaces treated with PHASE II are not only more abrasion resistant, but are more resistant to chemicals and water than untreated concrete.</p>	<p>PHASE II is a premium product for re-sealing substrates previously sealed with V-SEAL®101, V-SEAL 102 and V-SEAL 101ER.</p> <p>Ideal for: Driveways /Walkways / Basements Concrete Pavers / Split face Masonry products / Mortar Pool decking / Marcite / Gunite / Stucco</p> <p>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>ADVANTAGES:</p> <ul style="list-style-type: none"> • Long term protection • Seals, hardens and dust proofs • Resists black rubber tire marks • Resists salt, freeze/thaw, chemicals • Will not scratch or peel • Environmentally safe • Water-based, V.O.C. compliant • No odor, no fumes • USDA approved for incidental food contact • Does not alter appearance or traction <p>APPROXIMATE COVERAGE:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">First Coat</td> <td>200 – 300 sq. ft. per gal. (4.9 m²/L)</td> </tr> <tr> <td>Second Coat (as desired)</td> <td>300 - 400 sq. ft. per gal. (7.4 - 9.8 m²/L)</td> </tr> </table> <p>Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.</p> <p>DRYING TIME: Approximately 2-4 hrs. at 70°F (21°C) with good air circulation.</p> <p>PACKAGING: 1 gal. Containers (3.8L), 5 gal. pails (18.9L) and 55 gal. drums (208L)</p> <p>CLEAN UP: Immediate and thorough flushing w/ clean water.</p>	First Coat	200 – 300 sq. ft. per gal. (4.9 m ² /L)	Second Coat (as desired)	300 - 400 sq. ft. per gal. (7.4 - 9.8 m ² /L)	<p>Active Ingredients: 100% of total solids</p> <p>Specific Gravity: 1.2</p> <p>Film: 0</p> <p>Flash Point: None</p> <p>V.O.C. Content: 0 gm/liter</p> <p>Skid Resistance: Good</p> <p>Depth of Penetration: 5mm into concrete</p> <p>Water Absorption: ASTM C-642 = 3.4% in 24 hours Leading Competitor – 4.25% in 24 hours</p> <p>Compressive Strength: ASTM C-140 Concrete treated with 117 – 3,910 psi (27MPa) average Untreated concrete – 3,461 psi (23.9 MPa) average</p> <p>Water Vapor Transmission Rate – 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>New Concrete: Apply at any time after 24 hours to new concrete cured with V-SEAL 101, 102 or 101ER. Superior results will be obtained if applied after 7-14 days.</p> <p>Old Concrete/Masonry: 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 PII to point of rejection by sprayer, roller, broom, or mechanical scrubber. For superior results, work-in to a manageable area 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 may require additional applications.</p> <p>DRYING TIME: Approximately 2-4 hrs. at 70°F (21°C) with good air circulation.</p> <p>APPROXIMATE COVERAGE: First Coat 200-300 sq. ft./gal. (4.9 m²/L) Second Coat (if necessary) 300-400 sq. ft./gal. (7.4 - 9.8 m²/L) Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.</p>	<p>LIMITATIONS: 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 PII from freezing. A test installation is recommended. Shelf life is one year.</p>
	Clean Up
	Immediate and thorough flushing with clean water.
	Maintenance
	<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>
	ORDERING/SHIPPING INFORMATION
	<p>Packaging: 1 gal. jugs 5 gal. pails 55 gal. drums * <i>Overseas Containers, call for details</i></p> <p>Shipping: UPS / FedEx / Courier for small quantities Truck for larger quantities and drums</p>
Warnings	SAFETY/FIRST AID PRECAUTIONS
<ul style="list-style-type: none"> • Keep out of the reach of children • Surfaces may be slippery until dry • Do not take internally • Read MSDS before using product. 	<p>In case of ingestion, CALL A PHYSICIAN immediately.</p> <p>DO NOT induce vomiting</p> <p>If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately.</p> <p>May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Reseal container after each use.</p>