



Industra-Seal 117A

Hardener, Dustproofer, Sealer

Concrete Sealers for the Future

PRODUCT INFORMATION		Revised 7/04				
PRODUCT DESCRIPTION	RECOMMENDED USES					
<p>Industra-Seal 117 is a colorless, odorless solution of specialized reactive chemicals that penetrate concrete surfaces to seal, densify and harden the material. Industra-Seal 117 is a water based product and as a result is V.O.C. compliant and environmentally safe to use.</p> <p>Industra-Seal 117 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 Industra-Seal 117 are not only more abrasion resistant, but are more resistant to chemicals and water than untreated concrete.</p> <p>Industra-Seal 117, because it penetrates the surface and chemically bonds, will last for an extended period of time.</p> <p>Industra-Seal 117 has a combination of water-based safety, ease of use and long term performance that make it an attractive alternative to currently available sealer-type products. Industra-Seal 117 represents an advanced technology in concrete treatments.</p>	<p>Industra-Seal 117 is a premium product for hardening, dust proofing and sealing of concrete. It is excellent for concrete floor applications where long term resistance to dusting, black rubber tire marks and water is important.</p> <p>Industra-Seal 117, because it penetrates the surface and becomes an integral part of the substrate, does an excellent job of sealing and hardening for a long time and as a result will help prevent efflorescence.</p> <p>Industra-Seal 117 is suitable for both interior and exterior applications.</p> <p>Ideal applications include, but are not limited to, industrial plants, warehouses, schools, factories, hospitals, malls, food processing plants, textile mills, freezers, water and sewage treatment plants, parking decks, airports and stadiums.</p>					
PRODUCT CHARACTERISTICS	Meets Specifications					
<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Long Term Warranty Available • Seals, hardens and dust proofs • Resists black rubber tire marks on floors • Lasts longer than other floor coatings • Will not scratch or peel • Environmentally safe • Water Based, V.O.C. compliant • No odor, no fumes • USDA approved for incidental food contact • Develops a more polished look with age <p>APPROXIMATE COVERAGE:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">First Coat</td> <td>200-300 sq. ft. per gal. (4.9 m²/L)</td> </tr> <tr> <td>Second Coat (if necessary)</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 (if necessary)	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</p> <p>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: After finishing is complete and surface water has disappeared, cure with recommended sealer (call for instructions), water or properly used sheet materials. The optimal curing compound is V-Seal 101. Then apply Industra-Seal 117 according to the "Old Concrete" instructions after a minimum of 7 days.</p> <p>Old Concrete/Masonry: 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 Industra-Seal 117 to point of rejection (by spray, roller, brush or pouring), working it in using a mop, soft bristle broom or mechanical scrubber. Work in this manner for 5-15 minutes. Thoroughly rinse and then squeegee or brush off excess material until dry. 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 treated surface may develop a "polished" appearance over time.</p> <p>DRYING TIME: Approximately 2-4 hrs. at 70°F (21°C) with good air circulation.</p> <p>APPROXIMATE COVERAGE:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">First Coat</td> <td>200-300 sq. ft. per gal. (4.9 m²/L)</td> </tr> <tr> <td>Second Coat (if necessary)</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>	First Coat	200-300 sq. ft. per gal. (4.9 m ² /L)	Second Coat (if necessary)	300 - 400 sq. ft. per gal. (7.4 - 9.8 m ² /L)	<p>LIMITATIONS: Ponded or puddled material must be squeegeed or brushed, otherwise white residue will appear on the surface. If white residue starts to appear on the surface during drying, immediately remove with hot water and scrubbing. Floors are slippery during application. If Industra-Seal 117 is accidentally applied to glass, aluminum or polished metal, immediately rinse with water to prevent etching. Porous or low quality concrete substrates may not fully develop a "polished" appearance over time.</p> <p>Keep containers of Industra-Seal 117 from freezing. For colored concrete, contact VSEAL. A test installation is recommended. Shelf life is one year.</p>
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Clean Up					
Immediate and thorough flushing with clean water.					
Maintenance					
<p>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 (recommended) * <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"> • Use with adequate ventilation • Keep out of the reach of children • Floor is slippery until dry • Do not take internally • Wear protective clothing, gloves, and goggles. • 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>				