

# EPOXY FLOOR SEAL™ TECHNICAL DATA

## Two Part Epoxy Coating

**Epoxy Floor Clear Coat**  
**Excellent UV Blocking**  
**Attractively Priced**  
**High Gloss**

**Solvent-Free**  
**VOC Class: Floor coating VOC 0 g/l**

<p><b>STANDARD PRODUCT DESCRIPTION</b></p>	<p>Epoxy Floor Seal is a low viscosity, 100% solids, solvent-free two component amine cured epoxy. It is designed as a resin for floors, decorative toppings and other flooring systems. It can be used a primer under epoxy grouts, mortars, toppings, high performance coatings and lining systems. This product has been formulated to provide deep penetration into the concrete surface without the use of any solvent, therefore, eliminating any objectionable solvent odor, particularly inside buildings. Epoxy Floor Seal also makes an excellent clear floor finish. One or two coats provide a tough, hard, durable film, which provides good protection.</p>
<p><b>FEATURES</b></p>	<ul style="list-style-type: none"> <li>Excellent adhesion to concrete and masonry surfaces</li> <li>100% solids formula eliminates any strong solvent odors</li> <li>Excellent 'anchor' coat for epoxy coatings and overlays</li> <li>Helps eliminate dusting of concrete</li> <li>Excellent as a sealer for warehouse and production floor areas</li> <li>Can be used as a binder for color quartz and decorative floors</li> <li>Penetrates and fills small voids and hairline cracks</li> <li>Approvable for food processing plants</li> <li>Good chemical resistance</li> <li>Used as sealer over seamless and decorative floors</li> </ul>
<p><b>PHYSICAL PROPERTIES</b></p>	<p>COLOR ..... Clear          FINISH ..... High gloss          MIXING RATIO ..... 3:1 by volume          POT LIFE ..... 20-30 minutes @ 75°F          RECOAT TIME @ 75°F ..... 12-24 hours          INDUCTION TIME ..... None          APPLICATION TEMPERATURE ..... 50°F- 100°F          RECOMMENDED COVERAGE ..... 80-200 sq. ft. per gal, depending on surface porosity (8-20 mil DFT)          THEORETICAL COVERAGE ..... 1604 sq. ft. per gallon @ 1.0 mil DFT          THINNING ..... None          V.O.C. .... 0 gms/l          VOLUME SOLIDS ..... 100%          APPLICATION ..... Roller or squeegee          SHELF LIFE ..... 1 year minimum</p>

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<b>SURFACE PREPARATION</b>	<p>Any one of the following surfaces preparations may be sufficient or a combination of the four may be required, depending on the condition of the surface.</p> <ol style="list-style-type: none"> <li>1. High Pressure Wet Abrasive Blast Cleaning - All loose and unsound concrete must be mechanically removed down to sound concrete by means of power tool equipment. High pressure water blast with sand injection all surfaces to remove all laitance, contaminants, and other foreign deposits to provide a sound, clean surface. Use clean, dry air to blow down these areas to remove excessive moisture.</li> <li>2. Acid Etch - Apply concrete acid solution and work into the concrete with a stiff broom or fiber brush. Follow manufacturer's directions. Then flush floor thoroughly with clean, fresh water to remove all laitance, dirt and other foreign materials. Do not allow the solution to dry on the floor before flushing off because dirt, etc., can be redeposited in the pores of the concrete.</li> <li>3. Vacuum Blast - All areas of the existing concrete shall be vacuum abrasive blast cleaned using equipment such as a Shot Blast Machine. A proper anchor pattern shall be achieved to provide maximum adhesion of the recommended system. A thorough washing may be necessary prior to blasting to remove all foreign matter.</li> <li>4. Dry Abrasive Blast - Abrasive blast concrete surface to remove all laitance, loose concrete, coating, sealers, etc. It is necessary to achieve a rough anchor pattern and get to sound concrete. All blast material and foreign matter must be removed before application.</li> </ol> <p>New concrete must be cured at least a minimum of 28 days before apply a coating. All laitance, efflorescence, chemical contaminants, grease, oil, and other foreign material must be removed. The prepared surface must be clean, dry and structurally sound. On-Grade slabs should have an unruptured vapor barrier beneath the slab.</p>
<b>APPLICATION</b>	<p>Epoxy Floor Seal is prepared by mixing 3 parts base to 1 part curing agent with a power mixer on slow speed. Do not vary from mix ratio proportions. Once mixed it can be used immediately, there is no induction time. For best results apply Epoxy Floor Seal with a short nap roller or squeegee at 80-200 sq. ft per gallon. After apply the product, immediately back roll material with a porcupine roller to break up any air bubbles formed by mixing or during application. If any concrete out-gassing occurs, roll 1-2 coats of ESP 155 primer directly to the concrete surface to help reduce out-gassing before applying Epoxy Floor Seal. The primer should be butterfly rolled into the concrete to provide uniform coverage. Do not apply if the surface temperature is within 50°F or above 100°F. Do not apply if the surface temperature is within 5°F of the dew point. The base and curing agent should be stored at 75°-85°F to help maintain a lower, rollable viscosity. Do not apply when material is cold. Allow a minimum of 48-72 hours with good ventilation before putting floor back into service. Not recommended on floors susceptible to hydrostatic pressure. Not recommended as a finish coat in areas where there is direct sunlight.</p>
<b>CAUTIONS</b>	<p>Epoxy Floor Seal is combustible. The curing agent is corrosive. Keep away from all sources of ignition during storage, mixing, application and cure. READ MSDS before use. KEEP AWAY FROM CHILDREN. For Industrial use only.</p>
<b>TRANSPORT</b>	<p>Epoxy base - Nonregulated by USDOT, IATA &amp; IMO.  Curing agent - USDOT, IATA &amp; IMO 'Regulated' - Class 8, Packing group III, UN2735, Corrosive  Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.</p>

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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