

High Solid Epoxy Coating 6000

PRODUCT INFORMATION																					
PRODUCT DESCRIPTION	RECOMMENDED USES																				
<p>High solid Epoxy Coating is a high solid, single coat, epoxy specifically formulated for high solid painting.</p> <ul style="list-style-type: none"> • High gloss extremely durable stain resistant film • Very good impact and abrasion resistance • Good acid and chemical resistance • Very good alkali resistance • Resists strong cleaning compounds • Solvent resistant • Tile like finish does not support mold, mildew, or fungi growth • Forms a dense, waterproof barrier coat • Electrical insulating barrier coat 	<p>Ideal for use as a finish coat for projects requiring High solid, such as bridge maintenance painting. Use directly over organic zinc rich primers. Can be used in various coatings applications where high solid-service is desired, such as:</p> <ul style="list-style-type: none"> • Bridges • Hand rails • Structural steel • High visibility areas <p>Acceptable for use in high performance architectural applications. Suitable for use in USDA inspected Facilities</p>																				
PRODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS																				
<p>Finish: Semi-gloss Color: Wide range of colors possible Volume Solids: Min77% , calculated and mixed May vary by color Weight Solids: Min80%, mixed, may vary by color VOC (EPA Method 24): <300 g/L; unreduced Wet Film Thickness: Max150 microns Dry Film Thickness:Max148 mincrons Mix Ratio: 1:1 by volume(Pre-measured units) Coverage: 0.13-0.16KG/M2 Drying Schedule:</p> <table border="0"> <tr> <td></td> <td>@ 15°C</td> <td>@ 25°C</td> <td>@ 35°C</td> </tr> <tr> <td>To touch:</td> <td>8-12 hrs</td> <td>6-8 Hrs</td> <td>3-5 hrs</td> </tr> <tr> <td>Hard Dry:</td> <td>24 hours</td> <td>12-16 hrs</td> <td>8-12hrs</td> </tr> <tr> <td>To recoat:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Minimum:</td> <td>6-12hrs</td> <td>4-10 hrs</td> <td>3-8 hrs</td> </tr> </table> <p>Dry/recoat time is temperature, humidity, and film thickness dependent. Pot Life: 4 hrs 3 hrs 1.5hrs minutes Pot life is temperature and humidity dependent Sweat-in-Time: None</p>		@ 15°C	@ 25°C	@ 35°C	To touch:	8-12 hrs	6-8 Hrs	3-5 hrs	Hard Dry:	24 hours	12-16 hrs	8-12hrs	To recoat:				Minimum:	6-12hrs	4-10 hrs	3-8 hrs	<p>System Tested: (unless otherwise indicated) Substrate: steel Abrasion Resistance: Method: ASTM D4060 CS17 wheel, 1000 cycles, 1 kg load Result: 90 mg loss Adhesion: Method: ASTM D4541 Result: 825 psi Corrosion Weathering: Method: ASTM D5894, 15 cycles Result: Rating 10 per ASTM D714 for Blistering Rating 10 per ASTM D610 for Rusting Flexibility: Method: ASTM D522, 180° bend, 3/4" mandrel Result: Passes Freeze/Thaw Stability: Method: 30 cycles Result: No loss of Patti Adhesion Salt Fog Resistance: Method: ASTM B117, 5000 hours</p>
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<p>Shelf Life:12 months, unopened Store indoors at 5°C to 35°C</p> <p>Flash Point:41°C, PMCC, mixed</p> <p>Reducer/Clean Up: EP6101</p>	<p>Result: Rating 10 per ASTM D714 for Blistering Rating 10 per ASTM D610 for Rusting</p> <p>Meets the requirements of SSPC Paint 39, Level III (QUV).</p>
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APPLICATION BULLETIN

Surface Preparation

Previously Painted or Primed Surfaces

All surfaces to be coated must be dry and free of oil, grease, dust, dirt, wax, rust, mill scale, laitance, loose falling paint, and other foreign matter. All new or uncoated surfaces must be appropriately primed. New steel must be grit blasted and new or uncoated concrete must be acid etched or abraded to remove any laitance or curing compounds. Contact your nearest HONEST JOY® industrial retailer for a copy of the floor coating specification using the proper floor coating system of your choice. CAUTION: The solvents in this coating may lift previously applied coatings; test a small area before applying a full coat. All blistered and loose paint must be removed. All bare areas must be primed. Glossy surfaces should be roughened before recoating.

Iron & Steel (primer required)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Aluminum

Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned or before flash rusting occurs.

Concrete and Masonry

Remove all loose particles, laitance, oil, grease, form release agents, and any other contaminants. New concrete and masonry must be allowed to cure for a minimum of 28 days. Before painting, roughen the surface by abrasive blasting, acid etching, or scarifying.

Wood

Ensure the wood is clean and dry. Sand all rough areas to a smooth appearance.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE**

SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.

Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application Information

Due to the rapid dry of this coating, only small areas may be coated by brush, applicator pad, or roller. Generally, this paint is best applied by spray. Care must be taken to achieve the specified wet and dry film thicknesses. Uniform, even coats must be obtained.

Application Equipment

Air or airless spray, brush, or roller. Certain colors may require two coats depending on method of application and color of the primer or intermediate coat.

CAUTION! Use 100 mesh manifold filter and gun with 100 mesh tip strainer. Use appropriate tip and atomizing pressure for equipment, applicator technique and weather conditions.

Airless Spray

- Pump..... 30:1
- Pressure 1800 - 2500 psi
- Hose 3/8" ID
- Tip017" - .021"
- Reduction As needed up to 5% by volume

Conventional Spray

- Gun Binks
- Cap 63P
- Fluid Tip 69PB
- Atomization Pressure .. 50-70 psi
- Fluid Pressure 20-25 psi
- Reduction As needed up to 5% by

Roller Use phenolic core roller. The nap length will vary depending on surface texture. Short nap or smooth medium nap for coarse abraded surfaces.

Clean Up Instructions

For solvent based coatings, clean all equipment immediately after use with Epoxy Thinner (EP6101). At the same time, flush out all fluid lines and carefully clean pressure pots. Use clean solvents only. It is also good practice to periodically clean the spray tip or the fluid tip/air cap combination during the course of the working day or shift.