## High Solid Epoxy Coating 6000

### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

**High solid Epoxy Coating** is a high solid, single coat, epoxy specifically formulated for high solid painting.

- 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

#### RECOMMENDED USES

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:
- Bridges
- Hand rails
- Structural steel
- High visibility areas
Acceptable for use in high performance architectural applications.
Suitable for use in USDA inspected Facilities

### PRODUCT CHARACTERISTICS

| Finish: | Semi-gloss |
| Color: | Wide range of colors possible |
| Volume Solids: Min | 77% | calculated and mixed may vary by color |
| Weight Solids: Min | 80% | mixed, may vary by color |
| VOC (EPA Method 24): | <300 g/L; unreduced |
| Wet Film Thickness: Max | 150 microns |
| Dry Film Thickness: Max | 148 microns |
| Mix Ratio: | 1:1 by volume(Pre-measured units) |
| Coverage: | 0.13-0.16KG/M2 |
| Drying Schedule: | @ 15°C 6-8 Hrs 8-12hrs |
| To touch: | 8-12 hrs |
| To recoat: | Minimum: 6-12hrs 4-10 hrs 3-8 hrs |
| 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 |

### PERFORMANCE CHARACTERISTICS

| 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 |
| 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 |
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
- Tip: .017" - .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.