



# Product Data Sheet

## Anchorpoxy - 6900 Series

### Product Description

This material is a high-solids modified polyamine cure epoxy coating that provides a low temperature cure with excellent chemical and solvent resistance. Anchorpoxy 6900 is recommended for civil engineering, building and construction applications. Anchorpoxy 6900 is excellent where hi-gloss, smooth, non-yellowing properties are required.

### Where to Use

Excellent adhesion and flexibility are obtained over ferrous and non-ferrous metals, and dry concrete including floors.

### Product Characteristics

Color White, Standard, and Custom Colors

Gloss Gloss

Architectural and Industrial Maintenance Category Non-Flat Coatings

Drying Time

Temperature	To Touch	To Recoat
75°F / 55% R.H.	4 Hours	Within 48 Hours

(Cooler temperatures and higher humidity will require a longer cure time. However, very rapid cures can be obtained by force drying or baking the epoxy.)

### Preparation & Priming

Surface Preparation

Old Work: Prior to application, ensure that the substrate is free of any contaminants according to SSPC-SP1. All damaged areas should be repaired and existing paint should be in good condition. Test existing paint for lifting and if present, it must be removed or application of barrier primer must be used.

New Work: For best performance on steel, the surface should be blasted to a minimum SSPC-SP10, including the removal of all mill scale. Prior to blasting, remove all flux and scab from the welding and grind smooth all rough weld seams and sharp edges. Remove any grease, oil or dirt with solvent or chemical cleaner before blasting. The surface should be coated as soon as possible.

Concrete Floors: Old concrete floors must be tested for lifting and old paint removed if not resistant to epoxy. The surface must be cleaned of all dirt, oils, or other contaminants with detergent; thoroughly rinsed and dried. All floors that are worn smooth must be etched with a 3% solution of Muriatic Acid, thoroughly rinsed and dried. New concrete must be cured at least 28 days at 70°F and 50% R.H. or equivalent time. Apply to properly prepared concrete that has been acid etched (ASTM D4260) or sweep blasted and thoroughly rinsed.

Primer Coats

For maximum protection use Anchor #CC1514 Hi-Solids Epoxy primer. Consult your Anchor representative for specific job recommendations.

### Mixing & Application

Mixing/Mix Ratio

One part, by volume, #6906 to four parts Anchorpoxy. Hand or mechanically agitate being careful not to mix so fast that air is entrapped.

Thinning

This coating is VOC compliant; only thin if permitted by federal, state and local regulations. If necessary, use Anchor #3905 only up to 12 ounces per mixed gallon to obtain 3.5 lbs/gal VOC.

Surface Temperature

The cure time is totally dependent on the substrate temperature. The coating will not cure where the substrate is below 40° F; at 70° F the cure time is approximately 7 days. Avoid applications where the relative humidity is above 85%.

Recommended Thickness

2 mils dry per coat minimum; 2 coats recommended

Theoretical Coverage

1035 ft<sup>2</sup>/gallon at 1 mil dry, assuming no application losses. Coverage will vary depending on color, surface texture and application technique.

Coverage Rates per Coat

#	Dry Mils	Wet Mils	Ft <sup>2</sup> /gal
<u>Suggested</u>	3.0	4.6	345
<u>Minimum</u>	2.0	3.1	518
<u>Maximum</u>	4.0	6.2	259

**Mixing & Application Continued**

<u>Application Considerations</u>	This product can be applied by brush, roller or spray equipment. Coverage will vary depending on porosity of the surface and application technique. Allow for application losses due to overspray conditions and surface texture.		
<u>Pot Life</u>	After #6906 is mixed into the epoxy, the mixture must be applied within 2-3 hours. This assumes the mixture is at 70°F. Pot life lengthens with cooler temperatures and shortens with warmer temperatures.		
<u>Application Equipment</u>	<u>Airless Spray</u>	Pressure	1800-2400 psi
		Tip	0.015"-0.019"
	<u>Conventional Spray</u>	Air Pressure	75-100 psi
		Fluid Pressure	10-20 psi
	<u>Brush</u>	Use a high quality natural china bristle brush.	
	<u>Roller</u>	Use 3/8" or 1/2" synthetic nap covers.	

**Technical Information**

<u>Solids by Volume</u>	64.56% – when Mixed with Catalyst		
<u>AIM Category VOC Limit</u>	3.2 lb/gal (380g/l)		
<u>Actual VOC</u>	2.55 lb/gal (305 g/l) – Mixed		
<u>Density</u>	11.27 lb/gal (1066 g/l) – Mixed		
<u>Packaging</u>	A 1 gallon kit consists of a 1 gallon container of epoxy filled at 80% to accommodate a 1 quart container, also filled at 80%, of #6906. When mixed, it yields 1 gallon. The 5 gallon kit consists of a 5 gallon container of epoxy, partially filled at 4 gallons, to accommodate a 1 gallon container of #6906. When mixed, it yields 5 gallons.		
<u>Chemical Resistance</u>	<u>Alkalis:</u>	Excellent	<u>Acids:</u> Good <u>Strong Solvent:</u> Good <u>Water:</u> Excellent

**Clean-up & Storage**

<u>Cleanup</u>	Clean equipment thoroughly before and immediately after, using Anchor #3905
<u>Storage Temperature</u>	Minimum 35°F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years

**Safety & Important Information**

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE IRRITATION. CONTAINS: ETHYLBENZENE, XYLENE. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. May be harmful if absorbed through skin. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Cancer hazard

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources or ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

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. Clean up carefully 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](http://www.epa.gov/lead). WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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**LIMITED WARRANTY:** The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser’s cost of the product itself.