



# Product Data Sheet

## Hi-Solids Epoxy Primer – CC1514

### Product Description

This material is a two-component, high-solids modified polyamine cure epoxy coating that provides a low temperature cure with excellent chemical and solvent resistance. Modified polyamine cured epoxies combine outstanding resistance to solvents, salt and fresh water, acids and bases, shock, and abrasion.

### Where to Use

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

### Product Characteristics

Color Gray  
Gloss Semi-Gloss  
Architectural and Industrial Maintenance Category Primers and Undercoaters

<u>Drying Time</u>	<b>Temperature</b>	<b>To Touch</b>	<b>Tack Free</b>	<b>To Recoat</b>	<b>To Handle</b>	<b>Full Cure</b>
	40 °F	18 hr	48 hr	24 hr	4 days	>7 days
	75 °F	90 min	2 hr	3 hr	8 hr	3 days
	100 °F	55 min	90 min	60 min	90 min	1 day

### Preparation & Priming

Surface Preparation: **New Work:** For best performance on steel, the surface should be blasted to a minimum SSPC-SP6, 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 must be dry. The surface should be coated as soon as possible to prevent flash rusting. For immersion service, a minimum surface preparation of SSPC-SP10 and a minimum dry film of 6 mils are recommended.

**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.

Finish Coats Suitable topcoats include urethanes, industrial enamels or epoxies. Consult your Anchor representative for specific job recommendations.

### Mixing & Application

Mixing/Mix Ratio Mix one part #CC1496 Activator to four parts epoxy (Part A). 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.

Packaging A one gallon kit consist of a 1 gallon container of epoxy 80% full and a 1 quart container of #CC1496 80% full. Mixing the #CC1496 into the epoxy container yields one mixed gallon. A five gallon kit consists of a 5 gallon container with four gallons of epoxy and a full 1 gallon container of #CC1496. Mixing the #CC1496 into the epoxy container yields five mixed gallons.

Surface Temperature The cure time is dependent on the substrate temperature—avoid applying when the substrate is below 50°F. Avoid applying where the relative humidity is greater than 85%. For maximum inner-coat adhesion recoat before fully cured.

Recommended Thickness 2 mils dry per coat minimum

Theoretical Coverage 1126 ft<sup>2</sup>/gal at 1 mil dry, assuming no application losses. Coverage will vary depending on the color, application technique, porosity and design of the substrate.

<u>Coverage Rates per Coat</u>	<u>Dry Mils</u>	<u>Wet Mils</u>	<u>Ft<sup>2</sup>/gal</u>
<u>Suggested</u>	2.5	3.6	450
<u>Minimum</u>	2.0	2.8	563
<u>Maximum</u>	3.0	4.3	375

**Mixing & Application Continued**

<u>Pot Life</u>	After #CC1496 is mixed into the epoxy, the mixture must be applied within 3-4 hours. This assumes the mixture is at 70°F. Pot life lengthens with cooler temperatures and shortens with warmer temperatures.	
<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>Application Equipment</u>	<u>Airless Spray</u>	1800-3000 psi 0.015"-0.019"
	<u>Conventional Spray</u>	75-100 psi 10-20 psi
	<u>Brush</u>	Use a high quality china bristle brush.
	<u>Roller</u>	Use 3/8" or 1/2" synthetic nap cover.

**Clean-up & Storage**

<u>Cleanup</u>	Clean equipment thoroughly before and immediately after, using Anchor #3905	
<u>Storage Temperature</u>	Minimum 35 °F	Maximum 110 °F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years	

**Safety & Important Information**

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CONTAINS: METHYL ISOBUTYL KETONE. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. Harmful if swallowed. 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.

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. Avoid contact with eyes, skin and 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.



# Technical Information Sheet

## Hi-Solids Epoxy Primer – CC1514

### Product Description

<u>General Description</u>	This material is a two component, high-solids modified polyamine cure epoxy coating that provides a low temperature cure with excellent chemical and solvent resistance. Modified polyamine cured epoxies combine outstanding resistance to solvents, tap and salt water, acids and bases, shock, and abrasion.
<u>Common Usage</u>	Excellent adhesion and flexibility are obtained over ferrous and non-ferrous metals, floors, fiberglass, and or dry concrete.
<u>Color</u>	Gray
<u>Finish</u>	Semi-Gloss
<u>Activator Required</u>	Anchor #CC1496 Catalyst

### Technical Data

Solids by Volume 70.18% – Mixed with Activator

Recommended Thickness 2 mils dry per coat minimum

<u>Drying Time</u>	<b>Temperature</b>	<b>To Touch</b>	<b>Tack Free</b>	<b>To Recoat</b>	<b>To Handle</b>	<b>Full Cure</b>
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Architectural and Industrial

Maintenance Category Primers and Undercoaters

AIM Category VOC Limit 2.9 lb/gal (350 g/l)

Actual VOC 2.0 lb/gal (240 g/l) – Mixed

Density 11.91 lb/gal (1427 g/l) – Mixed

Theoretical Coverage 1126 ft<sup>2</sup>/gal at 1 mil dry, assuming no application losses. Coverage will vary depending on the color, application technique, porosity and design of the substrate.

Packaging A one gallon kit consist of a 1 gallon container of epoxy 80% full and a 1 quart container of #CC1496 80% full. Mixing the #CC1496 into the epoxy container yields one mixed gallon. A five gallon kit consists of a 5 gallon container with four gallons of epoxy and a full 1 gallon container of #CC1496. Mixing the #CC1496 into the epoxy container yields five mixed gallons.

Storage Temperature Minimum 35 °F                      Maximum 110 °F

Pot Life After #CC1496 is mixed into the epoxy, the mixture must be applied within 3-4 hours. This assumes the mixture is at 70 °F. Pot life lengthens with cooler temperatures and shortens with warmer temperatures.

Safety Information Refer to the Product Data Sheet or Material Safety Data Sheet for safety information.

**Performance Data**

Substrate                      Steel

Surface Preparation        SSPC-SP10

System Tested                System Tested: CC1514 Hi-Solids Epoxy Primer

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060, CS17 Wheel, 1000 Cycles, 1 kg Load	115.8 mg loss
Salt Fog Resistance	ASTM B117	2000 Hours
Hardness (Pencil)	ASTM D 3363	H
Adhesion (Pulloff)	ASTM D4541	1000+ psi
Adhesion (Crosshatch)	ASTM D 3359	5B
Dry Temp Resistance		200 °F Continuous 250 °F Non- Continuous Color changes at temperatures above 250 °F

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