



## Product Data Sheet

# Hi-Solids Epoxy Light Gray - CC1552

### 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, tap and salt 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 Light Gray

Gloss Gloss

Architectural and Industrial Maintenance Category Industrial Maintenance Coatings

Drying Time

Temperature	To Touch	Tack Free	To Recoat	To Handle	Full Cure
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.

**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.

**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 @ 70 degrees 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.

**Immersion Service:** For immersion service, a minimum surface preparation of SSPC-SP10 and a total dry film of 6 mils are recommended.

### 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.

### Mixing & Application Continued

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<u>Surface Temperature</u>	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.			
<u>Recommended Thickness</u>	2 mils dry per coat minimum			
<u>Theoretical Coverage</u>	967 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	3.9	387
	<u>Minimum</u>	2.0	3.2	483
	<u>Maximum</u>	3.0	4.7	322
<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 Light Gray - CC1552

### Product Description

- General 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, tap and salt water, acids and bases, shock, and abrasion.
- Common Usage** Excellent adhesion and flexibility are obtained over ferrous and non-ferrous metals, floors, fiberglass, and or dry concrete.
- Color** Light Gray
- Finish** Gloss
- Activator Required** Anchor #CC1496 Catalyst

### Technical Data

**Solids by Volume** 63.49% – Mixed with Activator

**Recommended Thickness** 2 mils dry per coat minimum

**Drying Time**

Temperature	To Touch	Tack Free	To Recoat	To Handle	Full Cure
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

**Architectural and Industrial**

**Maintenance Category** Industrial Maintenance Coatings

**AIM Category VOC Limit** 3.8 lb/gal (450g/l)

**Actual VOC** 2.51 lb/gal (301 g/l) – Mixed

**Density** 11.01 lb/gal (1319 g/l) – Mixed

**Theoretical Coverage** 967 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.

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