

**Selection & Specification Data**

<b>Generic Type</b>	Modified Alkyd Resin
<b>Description</b>	Carbocoat 115 VOC is a fast drying, low VOC industrial maintenance, lead and chromate free, shop and field primer. It is especially designed for architectural ferrous metal or exposed structural steel, and is best applied by spray only. Carbocoat 115 VOC can be top coated with acrylics, alkyds or single package polyurethane finishes. It is often used as a construction primer for structural steel that will eventually reside in interior spaces.
<b>Features</b>	<ul style="list-style-type: none"><li>▪ Fast Dry</li><li>▪ VOC Compliant to 340 g/l</li></ul>
<b>Color</b>	Gray, Red
<b>Finish</b>	Flat
<b>Topcoats</b>	May be topcoated with alkyds, acrylics, or others as recommended.
<b>Dry Film Thickness</b>	1.5-2.0 mils
<b>Solids Content</b>	By Volume: 56 ± 2%
<b>Theoretical Coverage Rate</b>	898 ft <sup>2</sup> /gal@ 1 dry mil
<b>VOC Values</b>	2.8 lbs/gal (336 g/l)
<b>Dry Temp. Resistance</b>	180°F - 200°F

**Substrates & Surface Preparation**

<b>Ferrous Metal</b>	The surface should be thoroughly cleaned to remove dirt, grease, chalk and air pollution deposits, ideally by power washing. For aggressive environments, in order to obtain adhesion, a Commercial Blast (SSPC-SP6), or Near White Metal Blast (SSPC-SP10) is recommended. For non-corrosive environments, depending on the condition of the steel, the surface preparation shall be either SSPC-SP2 Hand Tool Cleaning, SSPC-SP3 or SSPC-SP11 Power Tool Cleaning, or SSPC-SP6 Commercial Blast Cleaning. Follow the SSPC guidelines for removing mill scale, rust, loose paint, and other detrimental foreign matter.
<b>Galvanized Metal</b>	This product is NOT RECOMMENDED for galvanized steel.

**This primer should be applied the same day as cleaning to prevent re-rusting.**

**Special Information:**

Spray is the preferred application method due to the quick drying nature of the product. Not recommended for prolonged exterior exposure. May discolor or chalk. Where color is used extensively, intermix cans of the same color.

# Carbocoat 115 VOC

## Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

### General Guidelines:

**Airless Spray** Apply using a piston pump having a flow rate of 3/4 GPM or higher, and able to deliver 2000-3000 psi.  
Material Hose: 3/8" x 150' max  
Tip Size: .011-.015"  
High Pressure Filter: 60 Mesh

**Air Spray** Binks #18 or #62 gun or equal cup or pressure pot. Fluid Nozzle: 66 or 63C.  
Air Nozzle: 63PB or 66PE. Fluid Pressure: 10-15 psi. Air Atomizing Pressure: 60 psi.

Note: Can be electrostatically sprayed.

## Mixing & Thinning

**Mixing** Power mix to a uniform consistency.

**Thinning** Thinning is not necessary. Material is ready to airless spray.

## Cleanup & Safety

**Cleanup** Clean up all tools and equipment promptly with xylene or toluene. Flush spray equipment with the same cleaning solvent to prevent rusting.

**Safety** Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

## Curing Schedule

Surface Temp. & 50% Relative Humidity	Set to Touch	Dry to Handle	Dry to Recoat	Dry Hard
77°F (25°C)	15 min	1 hour	After 8 hours for best adhesion	4 hours

Allow additional drying time at lower temperature or higher humidity.

## Packaging, Handling & Storage

<b>Shipping Weight (Approximate)</b>	<b>1-Gal Kit</b> 14 lbs	<b>5-Gal Kit</b> 66 lbs
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**Flash Point (Setaflash)** 50°F setaflash

**Storage (General)** Store indoors.

**Storage Temperature & Humidity** 40° - 110°F (4°-43°C)  
0-100% Relative Humidity

**Shelf Life** 24 months



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