

Custom Chemicals and Coatings

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C3 209 ZERO VOC Waterbased Fast Dry Acrylic Primer

Product Description: C3 209 is a waterbased, Zero VOC, Hazardous Air Pollutant (HAPs) Free, single component, rust and corrosion inhibiting, acrylic primer formulated to provide a durable primer for metal substrates. This product is designed for structural steel coating applications to meet SSPC Paint 15 Specification.

Features and Advantages:

- ✓ HAPs Free
- ✓ ZERO VOC < 0.0 lbs./gal
- ✓ Waterbased – Non-Flammable, Non-Hazardous
- ✓ Fast dry times and early water resistance
- ✓ Excellent adhesion to steel substrates
- ✓ Meets SSPC Paint 15 Specification
- ✓ Reduce with water – no solvents needed
- ✓ Clean up with soap and water.
- ✓ Improved Flash Rust and Anti-Corrosive properties

Recommended Uses: Use as a fast-set waterbased primer over cleaned SSPC SP 1 or SP2 structural steel substrates where zero VOC coatings are needed. This product is ideal for use as a primer for steel fabrication, utility shop primer, temporary holding primer or low odor general maintenance.

Product Data:

Coating Type:	Waterbased Acrylic
VOC:	0.0 lbs. /gal (None)
HAPs:	0.0 lbs. /gal (None)
Volume Solids:	29.8% (+/- 2%)
Weight Solids:	39.9 % (+/- 2%)
Reducer:	Water
Film Thickness:	1.0-2.0 mils Dry Film Thickness 3.5-6.5 mils Wet Film Thickness

Coverage:

185-308 sq. ft. / gallon (@ 1.5-2.0 mil DFT)

Mixing: Thoroughly mix new product for 3-5 minutes until uniform to re-disperse any pigments or solids that may have settled during shipment. A mechanical power blade or propeller mixer is recommended.

Application: Air and substrate temperatures must be at least 35°F or higher and should be 5°F (3°C) above the dew point and should remain steady or rising during the application and drying period.

Conventional spray – Separate air and fluid regulators are recommended. Use DeVilbiss MBC gun; 704 air cap; F tip and needle or DeVilbiss JGA gun; 765 air cap; E tip and needle, or equal. Atomization air pressure 60-75 psi. Fluid pot pressure should be approximately 8-10 psi or as needed to deliver 12-16 fluid ounces per minute application rate.

Airless Spray – Use a 30:1 ratio or higher Graco air driven fluid pump; Graco Silver Plus gun with 0.013” – 0.017” orifice reverse-clean tips or equal. Fluid pressure should be 1,800 – 2,000 psi or as needed to eliminate “fingering”.

Brush and Roller – Use synthetic brushes designed for waterbased products. Use 1/4” nap foam rollers. Apply in a manner to avoid excessive back brushing or back rolling

Dry Times and Cure Schedule: Dry times @ 77°F (25°C) 50% Relative Humidity

To Touch:	15 min
To Handle:	1 Hour
Dry Hard:	2 hrs

Note: Dry times vary depending on temperature, humidity, film build and air movement.

Surface Preparation: The substrate must be clean, dry, and free of all dust, dirt, and oil, grease, cleaning compounds, salt deposits or other contaminants.

Clean up:

Flush equipment immediately after use with soap / detergent and water. Dried product may be removed with MEK, lacquer thinner or paint stripper. Use hand cleaners (Goop etc.) or soap and water to remove any material from hands or skin. The use of hand and skin lotions is recommended after cleaning skin.

Storage: Store coating inside or covered area away from direct sunlight. This coating contains water, store above freezing temperatures (32°F /0°C). Do not allow product to freeze. Freezing will render product unusable.

Packaging: 5-Gallon Plastic Pails
55-Gallon Drums
275-Gallon Plastic Totes

Health and Safety:

Keep out of reach of children.

This product is not intended for household use.

Follow the manufacturer's instructions on the proper use and maintenance of spray equipment. High pressure airless spray equipment can inject coatings into the skin and may cause serious injury.

This product is considered non-hazardous and any waste from this product is considered non-hazardous in the wet or dry form. Dried residue on cardboard, paper, rags, absorbent etc. can be disposed of as common, non-hazardous municipal waste.

For best housekeeping procedures, C3 recommends following all local, state, and federal regulations for the proper handling and disposal of all non-hazardous waste.

Read and understand the Safety Data Sheet (SDS) before using this product.

Disclaimer: Information presented in this Product Data Sheet is believed to be true and accurate and is generated or obtained from accurate and reliable sources. Information is provided here only as a guide to proper product use. However, since C3 has no direct control over the transport, storage or application of this product, no guarantee of accuracy, completeness, fit-for-use, or ultimate performance of this product is given or implied.

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MADE IN THE USA