

Custom Chemicals and Coatings

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C3 110 Series HAPs Free, Fast Dry, Anticorrosive Alkyd Primer

Product Description: C3 110 is a HAPs Free, VOC Compliant, fast drying, non-lifting alkyd primer designed for use on steel surfaces. This product has excellent adhesion and provides good corrosion resistance in a single package, fast dry primer.

Features and Advantages:

- ✓ HAPs Free
- ✓ VOC compliant 3.00 lbs./gal (359.4 g/liter)
- ✓ Fast Dry with excellent adhesion to steel
- ✓ Excellent saltwater resistance and good corrosion resistance
- ✓ Surface tolerant; requires minimal surface preparation (SSPC SP-1 and SSPC SP-2 or SP-3 minimum). May be applied over intact, existing coatings (small test recommended before full application)
- ✓ May be recoated with a variety of solvent borne or waterborne topcoats
- ✓ Available in Gray, Red Oxide & Yellow Oxide color

Recommended Uses: C3 110 Series is designed for a variety of uses including: the priming of steel, oilfield storage tanks, valves and pipes, oilfield equipment refurbishing, transportation equipment, earth moving equipment and metal fabrication. Not recommended for galvanized surfaces.

Product Data:

Coating Type:	Modified Alkyd
VOC:	3.0 lbs. /gal (359.4 g/L)
HAPs:	0.0 lbs. /gal (None)
Volume Solids:	53.5 % (+/- 2%)
Weight Solids:	72.5 % (+/- 2%)
Reducer:	C3 Thinner 970
Density:	10.89 +/-0.3 lbs. /gal (mixed)
Film Thickness:	2-3.0 mils Dry Film Thickness 4-6 mils Wet Film Thickness

Coverage:

286 to 429 sq. ft. /gallon (@ 2-3 Mil DFT)

Mixing: Thoroughly mix for 3-5 minutes until uniform to re-disperse any pigments or solids that may have settled during shipment. An air driven or other mechanical power mixer (Jiffy Mixer) is recommended.

Reduction: Reducer is not normally required, but if desired add 3-5% by volume of C3 Thinner 970 to lower viscosity.

Application: For best results apply in good weather or in areas protected from exterior environmental conditions. Air and substrate temperatures must be at least 35°F(2°) 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. The standard application method is by spray; conventional, airless, or air-assisted airless spray. Small or difficult to reach areas may be coated using brush or roller application.

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 0.017” – 0.019” orifice reverse-clean tips or equal. Fluid pressure should be 2,000 – 2,600 psi or as needed to eliminate “fingering”.

Brush and Roller – Use only natural bristle brushes. Use 3/8” nap, phenolic or solvent resistant core, rollers. Apply in a manner to avoid excessive back brushing or back rolling over previously painted area.

Dry Times and Cure Schedule: – Dry times @ 77°F (25°C) 50% Relative Humidity and 2-3 mils DFT

To Touch:	10-20 minutes
To Handle:	25-45 minutes
To Recoat:	> 20 minutes (no recoat window)
Full Cure:	< 24 hours

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

Surface Preparation: Substrate should be clean, dry and free of contaminants. If abrasive blasting of the substrate is desired (not required), remove all grease or oil from surface prior to abrasive blasting. This product is surface tolerant and SSPC-1 and SP-2 or SP-3 are the minimum surface preparation needed. However, for best results over corroded substrates, abrasive blasting is preferred. For SSPC Environmental Zone 1 A&B exposure, prepare substrate to the SSPC-SP-7/NACE 4 Brush-off Blast Cleaning; anchor profile 0.5 mil (12.7µm).

Packaging:

This product is a one component material. Containers are filled full.

Packaging: **1 Gallon Cans**
 5 Gallon Pails
 50 Gallon Drums

Shelf Life:

12 months (in unopened containers stored at 77°F)

Health and Safety:

Keep out of reach of children. Use with adequate ventilation.

This product contains flammable liquids. Keep away from heat, sparks or open flames. If applied in enclosed areas, provide proper air circulation to maintain exposure to solvents below the permissible levels (see SDS) or provide air supplied respirators or air supplied hoods to prevent exposure.

Avoid prolonged contact with skin and avoid exposure to spray vapors or mists. Use protective barrier cream on exposed skin to prevent contact.

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.

Follow all local, state and federal regulations for the proper handling and disposal of all paint, and paint related waste generated from the use of this product.

Use fiberglass or fire-resistant filters for spray booth operations. Follow OSHA regulation 1910.107 (CFR 29) pertaining to spray finishing. Dispose of used filters according to OSHA 1910.107(b) (5) (ii) to prevent spontaneous combustion of waste materials. Information on spray paint regulations and proper disposal may be obtained at www.osha.gov.

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. Consult with your C3 for your specific product application and use.

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