



Simco Coatings Inc.

Manufacturer of Military Spec.,  
Corps of Engrs. Spec, Industrial, &  
Marine Coatings

## TECHNICAL DATA SHEET

### **POLYGUARD-3002** **TWO COMPONENT, EPOXY CHROMATE PRIMER** **FOR ALUMINUM, GALVANIZED, & STEEL SUBSTRATES**

**DESCRIPTION:** A high performance two-component epoxy polyamide rust inhibitive primer designed to protect aluminum, galvanized, and steel substrates in a highly corrosive and chemically aggressive environments. It has outstanding adhesion, water resistance and durability.

**RECOMMENDED USES:** An excellent quick dry primer for chemical processing, fertilizer, petrochemical and shipyard industries. Can be used as a shop primer or holding primer to be top coated later with high performance topcoat.

### **TECHNICAL DATA**

<b>COLOR &amp; FINISH:</b>	Green, low gloss
<b>FLASHPOINT:</b>	50°F
<b>SHELF LIFE:</b>	One year
<b>FINISH:</b>	Semi-gloss
<b>MIXING RATIO:</b>	Base 4: 1 converter
<b>POT LIFE @ 77°F:</b>	6-8 hrs.
<b>VOLUME SOLIDS:</b>	45.0 ± 1.0%
<b>WEIGHT PER GALLON:</b>	10.0 ± 0.2%
<b>RECOMMENDED DFT:</b>	3 to 4 mils.
<b>THEORETICAL COVERAGE:</b>	Approx. 700 sq. ft./gallon/mil
<b>POT LIFE:</b>	4-6 hrs. at 75°F
<b>DRYING TIME @ 75°F:</b>	
<b>A. TO TOUCH:</b>	1 hour
<b>B. TO TOPCOAT:</b>	4 hrs.
<b>C. TO FULL CURE:</b>	7 days
<b>THINNER:</b>	Simco epoxy thinner, R-300
<b>SHELF LIFE:</b>	24 months
<b>VOLATILE ORGANIC COMPOUNDS (VOC):</b>	3.75 lbs./gallon or 450 g/l

Simco Coatings Inc.

211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.

Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO

e-mail: [sales@simcocoatings.com](mailto:sales@simcocoatings.com) web: [www.simcocoatings.com](http://www.simcocoatings.com)



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**SURFACE PREPARATION:**

**Immersion:** "Near white metal blast cleaning" (SSPC-SP10) or better.  
**Non-Immersion:** "Commercial blast cleaning" (SSPC-SP6) or better.  
**Aluminum:** Remove grease, oil, dirt and other foreign matter by solvent or other suitable cleaner. Etch surface by light sand sweeping and remove dust before application of primer.

**APPLICATION DATA:**

**Method of application:** Conventional or airless spray, brush or roller.

**Spray guns:**

Conventional	Fluid Tip	Air Cap
DeVilbiss - MBC- 510	E	765
Binks - Model 18 gun	66	63 PB

**Airless**

**Graco - 30:** 1 ratio with golden gun or Speeflo Commander 30 with H gun - .015 orifice.

The substrate temperature before coating should be 5 to 7 F above the dew point.

**MIXING:** Mix base and catalyst thoroughly with Jiffy Mixer. Allow to digest 30 to 60 minutes. Apply in well-atomized spray coat overlapping each pass 50%. Apply thinner for work ability only and do not exceed 1 pint per gallon.

**NON-WARRANTY:** The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance, or any damages, including injures resulting from use of this information or of products recommended herein.

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211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.  
Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO  
e-mail: [sales@simcocoatings.com](mailto:sales@simcocoatings.com) web: [www.simcocoatings.com](http://www.simcocoatings.com)