



# 6100 SYSTEM SHOP COAT PRIMER

## DESCRIPTION AND USES

A fast-dry, low VOC modified alkyd shop coat primer. Use on clean, abrasive-blasted, or lightly rusted steel in mild to moderate industrial environments. Use two coats of primer over abrasive-blasted or rusted steel. Not for use on galvanized steel.

## PRODUCTS

1-Gallon	5-Gallon	Description
206329	206330	Red Primer
206331	206332	Gray Primer

## COMPANION PRODUCTS

### RECOMMENDED TOPCOAT

V6400 System DTM 340 VOC Alkyd Enamel

## PRODUCT APPLICATION

### SURFACE PREPARATION

**ALL SURFACES:** Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/Degreaser, item # 3599402 or other suitable cleaner. Mold and mildew areas must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

**STEEL:** Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1-2 mil (25-50 μ) surface profile is recommended for optimal performance. Abrasive blast clean steel requires two coats of primer. **NOTE:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH-approved) and proper containment and cleanup. For additional information, contact the U.S.EPA/LeadInformation Hotline at 1-800-424-LEAD.

## PRODUCT APPLICATION (cont)

### APPLICATION

Apply only when the air and surface temperatures are between 32°-100°F (0°-38°C) and the surface temperature is at least 5°F (3°C) above the dew point.

### EQUIPMENT RECOMMENDATIONS

**BRUSH:** For touch up only. Use a good quality natural or synthetic bristle brush.

**AIR-ATOMIZED SPRAY:**

Method	Fluid Tip	Fluid Delivery	Atom. Pressure
Pressure	0.055-0.070	16 oz./min.	25-60 psi
Siphon	0.055-0.070	—	25-60 psi
HVLP (var.)	0.043-0.070	8-14 oz./min.	60-90 psi*

\*(10 psi maximum at tip)

**AIRLESS SPRAY:**

Fluid Pressure	Fluid Tip	Filter Mesh
1600-2400 psi	0.013-0.017	100

### THINNING

**BRUSH:** Normally not required.

**AIR-ATOMIZED SPRAY:** 333402 Thinner—Use up to 20% by volume.

**AIRLESS SPRAY:** 333402 Thinner normally not required. If needed use up to 5% by volume.

### CLEAN UP

633402, 333402 Thinners or mineral spirits.

**TECHNICAL DATA****6100 SYSTEM SHOP COAT PRIMER****PHYSICAL PROPERTIES**

		<b>SHOP COAT PRIMER</b>
<b>Resin Type</b>		Oil modified alkyd
<b>Pigment Type</b>		Magnesium Silicate, Calcium Carbonate
<b>Solvents</b>		Aliphatic Hydrocarbons
<b>Weight</b>	Per Gallon	13.3-13.6 lbs.
	Per Liter	1.60-1.63 kg
<b>Solids</b>	By Weight	79.0-79.6%
	By Volume	57.8%
<b>Volatile Organic Compounds</b>		<340 g/l (2.8 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1.5-2.5 mils (37.5-62.5 $\mu$ )
<b>Wet Film to Achieve DFT (unthinned material)</b>		2.5-4.5 mils (62.5-112.5 $\mu$ )
<b>Theoretical Coverage at 1 mil DFT (25<math>\mu</math>)</b>		930 sq. ft./gal. (22.9 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		315-525 sq. ft./gal. (7.7-12.9 m <sup>2</sup> /l)
<b>Dry Times at 70-80°F (21-27°C) and 50% rel. hum.</b>	Tack-free	15-30 minutes
	Handle	1 hour
	Recoat	4 hours
<b>Dry Heat Resistance</b>		212°F (100°C)
<b>Shelf Life</b>		5 years
<b>Specifications</b>		Can be used in USDA-regulated facilities based on FSIS Directive 11,000.4 (Rev.4) November 24, 1995. Agriculture Canada accepted.
<b>Safety Information</b>	Contains	Lead-free
	Warning!	<b>FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.</b>

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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