



**VALLEY PAINT  
MANUFACTURING CO.**

HIGH PERFORMANCE COATINGS

*Since 1982*

727 South 950 West  
Woods Cross, Utah 84087  
Phone (801) 298-4581  
Fax (801) 298-7921

## PREMIUM SHOP COAT PRIMER

V-2131 White - V-001 Red Oxide  
V-003 Gray - V-2859 Dark Gray  
V-2516 Black

Revised: March 19, 2019

## TECHNICAL DATA

### PRODUCT DESCRIPTION -

A high solids, low VOC rust inhibitive alkyd primer which is free of heavy metals. It is easy to apply by spray, is fast drying and can be top coated with alkyd and latex coatings.

For architectural / light commercial construction application on steel to protect against atmospheric exposure.

- Interior and exterior use
- Fast drying maintenance alkyd primer
- Lead & chromate free

According to AISC, shop coat primers are intended for protection for only a short period of exposure in ordinary atmospheric conditions, and is considered a temporary and provisional coating. Not recommended for immersion service or exposure to acid, alkali's, or strong solvents.

### PRODUCT CHARACTERISTICS -

**Resin Type:** Modified Alkyd

**Color:** White, Medium Gray, Red Oxide, Dark Gray and Black

**Finish/Sheen:** Flat

**Weight Per Gallon:** 11.50 +/- .50 lb \*

**Volume Solids:** 52.00% +/- 2%\*

**Weight Solids:** 68.00% +/- 2%\*

\* may vary with product color.

**Tinting:** Maximum Tint Levels; 4125 - 5 OZ, 4025 - 14 OZ

#### Dry Time # 70 F

To Touch: 15-30 Minutes

To Handle: 2 - 3 Hours

To Recoat: 3 - 4 Hours Minimum

To Cure: 30 Days

**Recommended Spread Rate:** Wet Mills: 4 - 6  
Dry Mills: 2 - 3

**Theoretical Coverage:** 750 sq.ft./gal @ 1 mils dry.

**Flash Point:** 63 F

**Viscosity:** 80-90 KU

**Shelf Life:** 24 months Unopened

**VOC:** (Minus exempt solvents) < 2.8 lb/Gal : 340 g/l

**Clean Up / Reducer:** Xylene (Acetone in VOC restricted areas.)

### SYSTEM COMPATIBILITY -

The following topcoats are recommended for this primer;

DTM Acrylic Finishes \* Water Reducible Enamels  
Alkyd Enamels \* Silicone Alkyd Enamels

Follow all surface preparation & application instructions for topcoat choice.

### SURFACE PREPARATION -

**WARNING!** 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 brain damage or other adverse health 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 more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

**Iron & Steel-** Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimums surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6.

### PRODUCT APPLICATION -

#### Refer to the SDS sheet before use

**Application Temperature:** 40°F minimum 120°F maximum  
(Air, surface, and material)

Use at a minimum of at least 5°F above dew point.

Relative humidity: 85% maximum

**Thinning:** Apply at can consistency. If thinning is necessary to obtain workability, use small levels of solvent, up to 5% by volume per gallon. Excessive reduction of material can affect film build, appearance, adhesion and overall performance properties.

**Airless Spray:** Airless or Air Assist Airless spray recommended. Use .015 -.019 orifice tip. Pressure 1800 - 2500 psi.

#### Conventional Spray:

Fluid nozzle: Binks Model 18 gun, with 63B air nozzle with 63C fluid nozzle, or comparable equipment.

Atomization Pressure: 50 PSI Fluid Pressure: 15 - 25 psi

**Brush:** China bristle brush. Brushing limited to small areas and touch up.

### PACKAGING & STORAGE -

**Packaging:** 1 gallon cans, 5 gallon drums and 55 gallon drums

**Storage Temperature:** Minimum 20F. Maximum 120 F.

### CLEANUP INFORMATION -

Clean spills, spatters, tools and equipment with appropriate compliant solvent. Flush spray equipment with an appropriate compliant solvent to avoid rusting. Follow manufacturer's safety recommendations when using solvents.