



Product Data Sheet

Anco Rust Inhibitive Primers, High Solids - 1603, 1622 & 1630

Product Description

A low VOC, high solids, penetrating oil/alkyd rust inhibitive primer.

Where to Use

Typical substrates include structural steel, storage tanks, steel fences, machinery and equipment, bridges and towers.

Product Characteristics

Color #1603 Gray, #1622 Red and #1630 White

Gloss Low Sheen

Architectural and Industrial Maintenance Category Primers and Undercoaters

<u>Drying Time</u>	<u>Temperature</u>	<u>To Touch</u>	<u>To Recoat</u>
	75°F / 55% R.H.	2 Hours	12 Hours

(Cooler temperatures and higher humidity will lengthen drying time)

Preparation & Priming

Surface Preparation For maximum performance, the recommended substrate should be blasted in accordance with SSPC-SP7. If blast cleaning is not feasible, the substrate should be degreased in accordance with SSPC-SP1. All burrs should be removed and sharp edges or rough weld seams should be ground down. Full use should then be made of mechanical power tools, in conjunction with wire brushing and chipping to remove all loose rust and mill scale to a standard of cleanliness conforming to SP-2 or SP-3.

Finish Coats Suitable topcoats include alkyds, modified alkyds, and water-borne coatings. Do not apply epoxies, vinyls, or other coatings containing strong solvents such as aromatics or ketones. Each service environment may require a specific coating system or combination of Anchor products. Consult your Anchor representative for specific job recommendations.

Mixing & Application

Mixing Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning Thinning is not needed for proper application. This coating is VOC compliant and should not be thinned unless permitted by federal, state, and local regulations. For shop use only, thin with Anchor #J1131 for spray applications or #J1112 for brush or roller, if necessary.

Surface Temperature Minimum 40°F, Maximum 110°F - The surface should be dry and the relative humidity should be no greater than 85%.

Recommended Thickness 1.5-2.0 mils dry

Theoretical Coverage 907 ft²/gal at 1 mil dry, assuming no application losses. Coverage will vary depending on the color, application technique, porosity and design of the substrate.

<u>Coverage Rates per Coat</u>	<u>#</u>	<u>Dry Mils</u>	<u>Wet Mils</u>	<u>Ft²/gal</u>
	<u>Suggested</u>	1.75	3.1	519
	<u>Minimum</u>	1.5	2.7	606
	<u>Maximum</u>	2.0	3.5	454

<u>Application Equipment</u>	<u>Airless Spray</u>	<u>Pressure</u>	1200-2200 psi
		<u>Tip</u>	0.011"-0.015"
	<u>Conventional Spray</u>	<u>Air Pressure</u>	60-80 psi
		<u>Fluid Pressure</u>	10-20 psi

Brush Use a high quality natural china bristle brush.

Roller Use a 1/4" Synthetic nap roller cover.

Application Considerations The recommended method of application is by airless spray. However, brush, roller or conventional spray may also be used. To avoid dusting, apply in wet coats. On a derusted surface, the application of a dry film thickness of at least 2 mils is recommended. With any oxidative coating, faster dry time may be obtained with increased air movement and/or higher substrate or material temperature.

Technical Information

<u>Solids by Volume</u>	56.57% – Varies by Color		
<u>AIM Category VOC Limit</u>	2.9 lb/gal (350 g/L) – Varies by Color		
<u>Actual VOC</u>	2.9 lb/gal (350 g/l) – Varies by Color		
<u>Density</u>	11.68 lb/gal (1400 g/l) – Varies by Color		
<u>Packaging</u>	55 Gallon drums, 5 Gallon pails, 1 Gallon cans		
<u>Chemical Resistance</u>	<u>Alkalis:</u>	Poor	<u>Acids:</u> Good
			<u>Water:</u> Excellent

Clean-up & Storage

<u>Cleanup</u>	Use Anchor #J1131 synthetic thinner	
<u>Storage Temperature</u>	Minimum 20°F	Maximum 110°F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years	

Safety & Important Information

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CONTAINS: N-BUTYL ACETATE & MINERAL SPIRITS. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. Harmful if swallowed. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

Version: 6/2017

LIMITED WARRANTY: The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser’s cost of the product itself.