



Product Data Sheet

Saf-T-Gard Enamel - 500 Series

Product Description

A high quality, interior/exterior alkyd resin coating characterized by excellent durability, gloss, and color retention.

Where to Use

These heavy-duty enamels are designed primarily for machinery and equipment.

Product Characteristics

Color White, Standard and Custom colors

Gloss High Gloss

Architectural and Industrial Maintenance Category Not Intended for Residential Use. Shop Use Only.

<u>Drying Time</u>	Temperature	To Touch	To Recoat
	75°F / 55% R.H.	2 hours	8 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.

Primer Coats Use Anchor #1630 or #1730 Rust Inhibitive Primer Series. 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 Only thin if permitted by federal, state and local regulations. If necessary, use Anchor #J1131 or #J0034 Fine Finish Blend.

Surface Temperature Minimum 40°F, Maximum 110°F - The surface should be dry and the relative humidity should be less than 85%.

Recommended Thickness 1.6-2.0 mils dry per coat. Two coats recommended.

Theoretical Coverage 606 ft²/gallon at 1 mil dry, assuming no application loss. Coverage will vary depending on color, surface texture and application technique.

<u>Coverage Rates per Coat</u>	<u>Dry Mils</u>	<u>Wet Mils</u>	<u>Ft²/gal</u>
<u>Suggested</u>	1.8	4.8	337
<u>Minimum</u>	1.6	4.2	379
<u>Maximum</u>	2.0	5.3	303

<u>Application Equipment</u>	<u>Airless Spray</u>	<u>Conventional Spray</u>	<u>Roller</u>	<u>Brush</u>
	Pressure	Air Pressure	Use 1/4" synthetic nap covers.	Use high quality natural china bristle brushes.
	Tip	Fluid Pressure		

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.

Application: Use with J1100 Urethane Catalyst:

When used with Anchor J1100 Urethane catalyst; an 8:1 ratio is used; the optimal blend is 8 parts of Saf-T-Gard 500 series enamel and 1 part of J1100. In actual use this is one gallon of the 500 series Saf-T-Gard and a pint of J1100.

The following table gives the expected dry times associated with application:

(All time in Hours)	500 w/o J1100	500 w/8:1 J1100 Added
Dry to Touch	2.5	1
Tack Free	5	4
Dry Through	24	24

Technical Information

<u>Solids by Volume</u>	37.77% – Varies by Color		
<u>Actual VOC</u>	4.09 lb/gal (491 g/l) – Varies by Color		
<u>Density</u>	9.00 lb/gal (1078 g/l) – Varies by Color		
<u>Packaging</u>	55 Gallon drums, 5 Gallon pails, 1 Gallon cans, and quart (1/4 gallon) cans		
<u>Chemical Resistance</u>	<u>Alkalis:</u> Fair	<u>Acids:</u> Good	<u>Water:</u> Good
<u>Heat Resistance</u>	150°F Continuous, 250°F Spikes		

Clean-up & Storage

<u>Cleanup</u>	Use Anchor #J1131 or #J0034 Fine Finish Blend	
<u>Storage Temperature</u>	Minimum 20°F	Maximum 110°F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years	

Safety & Important Information

DANGER! COMBUSTIBLE LIQUID AND VAPOR. CONTAINS: MINERAL SPIRITS. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. **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 and flame. 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. Avoid contact with eyes, skin and 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.

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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.