



# Product Data Sheet

## LoVOC Industrial Enamel - 3500 Series

### Product Description

A quick-drying, high solids, acrylic alkyd enamel developed for industrial applications.

### Where to Use

Typical uses include heavy equipment, machinery, fabricated steel and as a general maintenance coating. This is a VOC compliant coating that offers superior gloss, coverage, hardness, and a fast cure time compared to conventional heavy duty enamels.

### Product Characteristics

Color White, Standard and Custom Colors

Gloss High Gloss

Architectural and Industrial Maintenance Category Quick Dry Coatings

#### Drying Time

Temperature	38°F		72°F		100°F	
Dry Mil Thickness	1.5 mil	3 mil	1.5 mil	3 mil	1.5 mil	3 mil
Dry to touch	30 minutes	90 minutes	30 minutes	45 minutes	< 15 minutes	< 15 minutes
Tack Free	3 hours	3 hours	30 minutes	90 minutes	15 minutes	30 minutes
Dry Through	6 days	11 days	16 hours	3 to 4 days	5 hours	7 hours
Dry Hard	13 days	15 to 18 days	2 days	5 days	16 hours	2 days

### Preparation & Priming

Surface Preparation The surface substrate should be cleaned in accordance with SSPC-SP6 commercial blast. If this is not feasible, then clean to SSPC-SP1 standards. All burrs should be ground down. Where weathered steel is applicable and where the substrate has reached rust grade, an appropriate chemical cleaning or blasting will be necessary. This product is designed to be applied over barrier type primers or intermediate coats. When this is not feasible, the coating can be directly applied to clean metal making sure a maximum millage of 2 mils dry per coat is achieved.

Primer Coats Low VOC primers, Anchor #B7911, #CC0054 or other barrier type primers for best performance. LoVOC may be applied directly to metal over properly prepared steel surfaces. 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 This coating is VOC compliant. Thin only if necessary with Anchor #J0034 or #J0022M, if permitted by federal, state, and local regulations.

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 1.6-2.0 mils dry per coat, two coats recommended

Theoretical Coverage 906 ft<sup>2</sup>/gal at 1 mil dry, assuming no application losses. Coverage will vary depending on the color, application technique, porosity and design of the substrate.

Coverage Rates per Coat	#	Dry Mils	Wet Mils	Ft <sup>2</sup> /gal
<u>Suggested</u>		1.8	3.2	503
<u>Minimum</u>		1.6	2.8	566
<u>Maximum</u>		2.0	3.5	453

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

**Mixing & Application Continued**

Other Airless Information This material dries very fast. Use small to medium size fine finish tips and pressures that allow for wet coat without excessive overspray or dusting. The use of a fine finish tip may improve results.

Application Considerations Note: This finish will build much faster than conventional enamel such as #1200 Quick Touch Enamel. Use caution when applying to avoid excessive film build. Apply in wet coats to avoid dusting. When spraying, use a cross-hatch method, overlapping each pass 50%. Clean spray system throughout before and after each use. Do not apply when the temperature is within 5°F of the dew point. On a derusted surface, the application of a dry film thickness of at least 2 mils is recommended.

**Clean-up & Storage**

Cleanup Use Anchor #J0034 or #J0022M synthetic thinner

Storage Temperature Minimum 20°F Maximum 110°F

Shelf Life Under Normal Conditions (Unopened) – Two Years

**Safety & Important Information**

**DANGER!** FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE IRRITATION. CONTAINS: METHYL N-AMYL KETONE, METHYL PROPYL KETONE, XYLENE, ETHYL BENZENE, MINERAL SPIRITS, DIETHYL HEXYL PHTHALATE AND AROMATIC HYDROCARBONS. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. May be harmful if absorbed through skin. 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. Possible cancer hazard. Contains Diethyl Phthalate which may cause cancer based on animal data. (Risk of cancer depends on duration of level of exposure.)

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](http://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.



# Technical Information Sheet

## LoVOC Industrial Enamel - 3500 Series

### Product Description

General Description A quick-drying, high solids, acrylic alkyd enamel developed for industrial applications.

Common Usage Typical uses include heavy equipment, machinery, fabricated steel and as a general maintenance coating. This is a VOC compliant coating that offers superior gloss, coverage, hardness, and a fast cure time compared to conventional heavy duty enamels.

Color White, Standard and Custom Colors

Finish High Gloss

### Technical Data

Solids by Volume 56.54% – Varies by color

Recommended Thickness 1.6-2.0 mils dry per coat, two coats recommended

Drying Time

Temperature	38°F		72°F		100°F	
	1.5 mil	3 mil	1.5 mil	3 mil	1.5 mil	3 mil
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Architectural and Industrial Maintenance Category Quick Dry Coatings

AIM Category VOC Limit 3.8 lb/gal (450 g/l)

Actual VOC 3.07 lb/gal (368 g/l) – Varies by Color

Density 9.81 lb/gal (1175 g/l) – Varies by Color

Theoretical Coverage 906 ft<sup>2</sup>/gallon at 1 mil dry, assuming no application loss. Coverage will vary on color, surface texture and application technique.

Packaging 55 Gallon drums, 5 Gallon pails, 1 Gallon cans, and quart (1/4 gallon) cans

Storage Temperature Minimum 20°F Maximum 110°F

Chemical Resistance Alkalis: Fair Acids: Good Water: Good

Safety Information Refer to the Product Data Sheet or Material Safety Data Sheet for safety information.

### Performance Data

Substrate S36 – Q Panels

System Tested 1 Coat Primer, 2 Coats LoVOC

Test Name	Test Method	Primer	Results
Salt Fog Resistance	ASTM B117	CC2631	500 Hours
Salt Fog Resistance#	ASTM B117	CC2232	500 Hours
Salt Fog Resistance#	ASTM B117	CC2812	100 Hours

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