RUST-OLEUM® HIGH PERFORMANCE®

V8400 SYSTEM 340 VOC ALKYD ENAMEL

DESCRIPTION AND USES

V8400 System 340 VOC Alkyd Enamels are designed for use in food processing plants and other areas where mold and mildew are a concern. This modified alkyd coating contains additives to prevent mold and mildew growth in the dried paint film. May be applied to surfaces at temperatures as low as 18°F (-8°C). Not for use on galvanized steel.

PRODUCTS

FINISHES

1-Gallon	5-Gallon	Description
259157	—	White Clean Metal Primer
259158	—	High Gloss Dairy White
266691	—	Safety Yellow

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 with fresh water and allow to dry.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, scale, and deteriorated previous coatings to obtain a sound rusted surface. For optimum corrosion resistance, abrasive blast to commercial grade SSPC-SP-6, with a blast profile of 1-2 mils (25-50 µ). All weld spatter should be removed along weld seams, rough welds should be ground smooth, and all sharp edges should be ground to a smooth radius.

PRODUCT APPLICATION (cont.)

Apply only when air and surface temperatures are between 18-100°F (-8-38°C). Surfaces must be frost-free and at least 5°F above dew point.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality natural or polyester bristle brush.

ROLLER: Use a good quality natural or polyester cover. Use a short nap roller for smooth surfaces, and a medium nap roller for rough surfaces.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing 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 (HIGH GLOSS):

Pump Ratio	Fluid Pressure	Fluid Tip	Filter Mesh
30:1	1,600-2,400 psi	0.013-0.019	60

THINNING

BRUSH/ROLLER: Normally not required.

AIR-ATOMIZED SPRAY: 333402 Thinner: Use up to 15% by volume.

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

CLEAN-UP

333402 Thinner or 254266 Thinner.

PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS

METHOD: ASTM D3363

RESULT: 5B

CONICAL FLEXIBILITY

METHOD: ASTM D522

RESULT: >33%

CYCLIC PROHESION

Rating 1-10, 10=best

METHOD: ASTM D5894, 3 cycles, 1008 hours

RESULT: 10 per ASTM D714 for blistering

RESULT: 9 per ASTM D610 for rusting

IMPACT RESISTANCE (direct)

METHOD: ASTM D2794

RESULT: >60 in.–lbs.

TABER ABRASION

METHOD: ASTM D4060, CS-10 wheels, 500 gram load, 1000 cycles

RESULT: 4.2 mg loss

GLOSS (60°)

METHOD: ASTM D4587
RESULT: 91% (color–white)
For chemical and corrosion resistance, see the Rust-Oleum Industrial Brands Catalog (Form #206275).

TECHNICAL DATA

V8400 SYSTEM 340 VOC ALKYD ENAMEL

PHYSICAL PROPERTIES

		259157 WHITE CLEAN METAL PRIMER	259158 HIGH GLOSS DAIRY WHITE
Resin Type		Phenolic alkyd	Modified alkyd
Pigment Type		Titanium dioxide, zinc phospho oxide, calcium carbonate	Titanium dioxide
Solvents		Aliphatic hydrocarbons	Aliphatic hydrocarbons
Weight	**Per Gallon**	13.5 lbs.	9.8 lbs.
	Per Liter	1.3 kg	1.0 kg
Solids	**By Weight**	79%	58%
	By Volume	61%	47%
Volatile Organic Compounds		<340 g/l (2.8 lbs./gal.)	<340 g/l (2.8 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils (37.5-62.5µ)	1.5-2.5 mils (37.5-62.5µ)
Wet Film to Achieve DFT (unthinned material)		2.5-4.0 mils (62.5-100µ)	3.5-5.5 mils (87.5-137.5µ)
Theoretical Coverage at 1 mil DFT (25µ)		975 sq. ft./gal. (24.0 m^2/l)	750 sq. ft./gal. (18.5 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		330-550 sq. ft./gal. (8.1-13.5 m^2/l)	250-425 sq. ft./gal. (6.2-10.5 m^2/l)
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	**Tack-free**	30 minutes	2-4 hours
	Handle	4-5 hours	4-8 hours
	Recoat	1 hour	24 hours
Dry Heat Resistance		212°F (100°C)	212°F (100°C)
Shelf Life		5 years	5 years
Safety Information	**Contains**	No lead has been deliberately added	
	Warning!	**FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.**	

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

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RUST-OLEUM INDUSTRIAL BRANDS

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