

RUST-OLEUM®**V2100 SYSTEM
ENAMEL AEROSOL****DESCRIPTION AND USES**

V2100 System Enamel aerosols are available in high-gloss, semi-gloss, flat, metallic and fluorescent finishes. They apply easily and dry fast to a tough, attractive corrosion-resistant finish featuring superior coverage, color, and gloss retention and resist chipping, cracking and peeling. They are available in a variety of colors including safety and fluorescent colors, and many match popular Rust-Oleum® Industrial Enamel gallon colors for easy touch-ups. Not for use on galvanized steel.

Primer aerosols are used for maximum corrosion protection on clean, rusted or previously painted metal. Not for use on galvanized steel. They are fast dry, quick recoat rust inhibiting primers designed for use with the Rust-Oleum® V2100 System Enamel aerosols to optimize corrosion control.

Galvanizing aerosols are zinc-rich coatings that provide maximum corrosion resistance through galvanic protection. Use for touch-up and repair to damaged galvanized steel; production welds, galvanized ducts, storage tanks, fences, gutters, trucks, trailers, off-shore drilling rigs, utility towers, and more. V2185838 meets performance requirements of ASTM A-780-01 (par. 4.1.2, 4.1.3, 4.2.2). Do not topcoat with an alkyd finish.

PRODUCTS**PRIMERS**

209566	White Clean Metal Primer
V2169838	Red Primer
V2182838	Gray Primer

HIGH HEAT COATING

V2116838	High Temperature Aluminum
V2176838	High Temperature Black

GALVANIZING

V2117838	Bright Galvanizing Compound
V2185838	Cold Galvanizing Compound

FARM EQUIPMENT

209713	John Deere Green
209714	John Deere Yellow
209715	Caterpillar Yellow (Old)
209716	Allis Chalmers Orange
209717	International Harvester Red
209718	Ford Blue

PRODUCTS (cont.)**FLUORESCENTS**

2233838	Fluorescent Green
2255838	Fluorescent Orange
209568	Fluorescent Pink
2264838	Fluorescent Red
2242838	Fluorescent Yellow

SAFETY

V2124838	Safety Blue
V2133838	Safety Green
V2155838	Safety Orange
V2167838	Safety Purple
V2163838	Safety Red
V2143838	Safety Yellow

ENAMELS

V2102838	Crystal Clear
V2170838	Almond
V2115838	Silver Aluminum
V2171838	Tan
V2119838	Stainless Steel
V2175838	Chestnut Brown
V2123838	Light Blue
V2177838	Semi-Gloss Black
V2178838	Flat Black
V2125838	Deep Blue
V2179838	Gloss Black
V2183838	Light Machine Gray
V2134838	Bright Green
V2184838	Dove Gray
V2137838	Dark Green
V2187838	Dark Machine Gray
V2138838	Hunter Green
V2188838	Smoke Gray
V2190838	Flat White
V2147838	Industrial Yellow
V2192838	Gloss White
V2148838	Equipment Yellow
V2196838	Fleet White
V2156838	Equipment Orange
V2164838	Bright Red
209565	Anodized Bronze
209567	Semi-Gloss White

**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, commercial detergent, or other suitable cleaner. Mold and mildew 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, mill scale, and deteriorated previous coatings.

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. 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 adverse 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 additional information, contact the U.S.EPA/Lead Information Hotline at 1-800-424-LEAD.

APPLICATION

Use when temperature is above 50°F (10°C) and humidity is below 85% to ensure proper drying. Surface temperature must be between 50-100°F (10-38°C). Use primer on bare or rusted surfaces. Do not use any primer with V2116838 High Temperature Aluminum, V2176838 High Temperature Black, V2117838 Bright Galvanizing Compound or V2185838 Cold Galvanizing Compound.

Protect surrounding surfaces from overspray. Overspray can carry a significant distance. Shake can for one minute after mixing ball is heard. Hold can 10-14 inches from surface. Apply several light coats a few minutes apart to avoid drips and runs. Recoat within 1 hour or after 24 hours; allow more time in cooler temperatures. Clean valve immediately after use by turning can upside down and depressing spray button for 3-5 seconds (some paint will be sprayed out, so be careful to not inadvertently spray yourself or other objects). If clogged, remove tip and clean in thinner. Do not insert any object into can valve opening. Properly discard empty container. Do not burn or place in trash compactor. Empty container can be recycled.



TECHNICAL DATA

V2100 SYSTEM ENAMEL AEROSOL

PHYSICAL PROPERTIES

		ENAMELS	PRIMERS	GALVANIZING	HIGH HEAT
Resin Type		V2102838, V2115838, V2119838: acrylic; all others: modified alkyd	Modified alkyd and acrylic	Epoxy ester	V2116838: silicone blend V2176838: silicone modified alkyd
Pigment Type		Varies	Zinc phosphate, zinc molybdate, talc, calcium carbonate, red iron oxide (V2169838), titanium dioxide, carbon black (V2182838)	V2117838 contains 80% zinc and 12% aluminum (in the dry film) V2185838 contains 93% zinc (in the dry film)	V2116838: aluminum flake V2176838: black manganese ferrite
Volatile Organic Compounds		Finishes: <65% by weight Metallics: <80% by weight	<60% by weight	<60% by weight	<80% by weight
MIR		Finishes: Max value of 1.4 Metallics: Max value of 1.9	Maximum value of 1.2	Maximum value of 1.2	Max value of 1.85
Fill Weight		V2102, V2115, V2119 and all fluorescents: 14 oz. (398 g.); All others: 15 oz. (426 g)	15 oz. (426 g)	20 oz. (568 g)	15 oz. (426 g)
Theoretical Coverage Rate @ 1 mil DFT		Finishes: 25.9-36.0; Fluorescents: 26.8-28.6 V2102838 Clear: 21.5 V2115838 Aluminum: 11.5 V2119838 Stainless Steel: 12.5	31.6-32.4	24.1-26.4	V2116838 High Heat Aluminum: 10.9 V2116838 High Heat Black: 25.2
Recommended Dry Film Thickness (DFT) Per Coat		1-2 mils (25-50µ)	1-2 mils (25-50µ)	1-2 mils (25-50µ)	1-2 mils (25-50µ)
Practical Coverage at Recommended DFT		V2100 finishes: approx. 14 sq. ft. (1.3 m ²) Fluorescent finishes: approx. 10 sq. ft. (0.9 m ²)	Approximately 14 sq. ft. (1.3 m ²)	Approximately 14 sq. ft. (1.3 m ²)	Approximately 14 sq. ft. (1.3 m ²)
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	Tack-free	10-20 minutes	10-20 minutes	10-20 minutes	V2116838: 10-20 minutes V2176838: 2-4 hours
	Handle	1-2 hours	1-2 hours	1-2 hours	V2116838: 1-2 hours V2176838: 4-7 hours
	Recoat	Within 1 hour or after 24 hours*	At any time	Within 1 hour or after 24 hours**	V2116838: anytime V2176838: within 1 hour or after 24 hours
Dry Heat Resistance		200°F (93°C)	200°F (93°C)	200°F (93°)	1000°F (538°C)
Shelf Life		5 years	5 years	5 years	5 years
Specifications		Can be used in USDA-regulated facilities based on FSIS directive 11,000.4 (Rev. 4), November 24, 1995. Agriculture Canada accepted.			
Safety Information	Contains	Acetone, xylene, toluene (fluorescents also contain hexane), and liquefied petroleum gas propellant			
	Warning!	THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. DANGER! EXTREMELY FLAMMABLE. MAY CAUSE FLASH FIRE. CONTENTS UNDER PRESSURE. VAPOR HARMFUL. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.			

*Allow more time in cooler temperatures

**Do not topcoat galvanizing compounds with an alkyd finish.

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

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Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877•385•8155
www.rustoleum.com/industrial

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