

RUST-OLEUM®

V2100 SYSTEM ENAMEL AEROSOL

DESCRIPTION AND USES

Rust-Oleum® 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 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.

High Performance V2100 System Enamel complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities.

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

FLUORESCENTS

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

PRODUCTS (cont.)

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

MINI SPRAYS – 3oz

276011	Gloss Black
276013	Gloss White
276015	Safety Yellow
276018	Spot Primer†

† V2100 System Rust Reformer® formula – For use on rusted steel only.

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. Rinse immediately and thoroughly and allow to fully dry. Thoroughly cured, hard or gloss previous coatings which are very smooth may require scuff sanding to maximize adhesion.


PRODUCT APPLICATION (cont.)
SURFACE PREPARATION (cont.)

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, mill scale, and deteriorated previous coatings. For best results, use Red Primer on sound rusted or clean metal before the application of a finish coat or intermediate primer.

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.

GALVANIZED STEEL: New galvanized steel may contain a surface wax or oil from the fabricator. This must be removed with Pure Strength® Cleaner/Degreaser (#3599402), commercial detergent or other suitable cleaner. NOTE: Only the Galvanizing Compounds are to be used on galvanized steel. Do not use any other of the 1600 System Primers or Finish Colors.

WEATHERED GALVANIZED STEEL: Remove loose rust and stains by hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) prior to application of the Cold Galvanizing Compound.

PRODUCT APPLICATION (cont.)
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.

DRY & RECOAT TIMES

Recoat within 1 hour or after 24 hours. allow more time in cooler temperatures.

CLEAN-UP

Wipe off tip before storing. Clean-up wet paint with xylene or mineral spirits. Properly discard empty container. Do not burn or place in trash compactor. Empty container can be recycled.

CLOGGING

If the valve clogs, twist and pull off spray tip and rinse in a solvent such as mineral spirits. Do not insert any object into can valve opening.



TECHNICAL DATA

V2100 SYSTEM ENAMEL AEROSOL

PHYSICAL PROPERTIES

	ENAMELS	PRIMERS	GALVANIZING	HIGH HEAT
Resin Type	V2102838, V2115838, and 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
Solvents	Acetone, xylene, toluene (fluorescents also contain hexane), and liquefied petroleum gas propellant			
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) Mini Spray 3 oz.	15 oz. (426 grams) Mini Spray 3 oz.	20 oz. (568 grams)	15 oz. (426 grams)
Recommended Dry Film Thickness (DFT) Per Coat	1.0-2.0 mils (25-50µ)	1.0-2.0 mils (25-50µ)	1.0-2.0 mils (25-50µ)	1.0-2.0 mils (25-50µ)
Practical Coverage at Recommended DFT (Square Feet / Aerosol) (Depends on color)	V2100 finishes: Approx. 12-20 sq.ft. (1.1-1.9 m ²) Fluorescent finishes: Approx. 10 sq.ft. (0.9 m ²) Mini Spray: Approximately 3 sq.ft. (0.7 m ²)	Approximately 12-20 sq.ft. (1.1-1.9 m ²) Mini Spray: Approx. 3 sq.ft. (0.7 m ²)	Approximately 12-20 sq.ft. (1.1-1.9 m ²)	Approximately 12-20 sq.ft. (1.1-1.9 m ²)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Tack-free	10-20 minutes	10-20 minutes	10-20 minutes
	Handle	1-2 hours	1-2 hours	1-2 hours
	Recoat	Within 1 hour or after 24 hours*	At any time	Within 1 hour or after 24 hours**
Dry Heat Resistance	200°F (93°C)	200°F (93°C)	200°F (93°C)	1000°F (538°C)
Shelf Life	5 years	5 years	5 years	5 years
Safety Information	For additional information, see MSDS			

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

*Allow more time in cooler temperatures

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

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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