



# RUST-OLEUM® HIGH PERFORMANCE 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

### SKU DESCRIPTION (Aerosol)

#### 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 | JD Green                    |
| 209714 | JD Yellow                   |
| 209715 | Caterpillar Yellow (Old)    |
| 209716 | Allis Chalmers Orange       |
| 209717 | International Harvester Red |
| 209718 | Ford Blue                   |

#### FLUORESCENTS

|         |                   |
|---------|-------------------|
| 2233838 | Fluorescent Green |
|---------|-------------------|

## PRODUCTS (cont.)

### FLUORESCENTS (cont.)

|         |                    |
|---------|--------------------|
| 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

Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with a commercial detergent, or other suitable cleaning method. Rinse with fresh water and allow to thoroughly dry. Remove loose paint and rust with a wire brush or sandpaper. 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.



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## PRODUCT APPLICATION (cont.)

### SURFACE PREPARATION (cont.)

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint 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).

**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 Krud Kutter® Original Cleaner/Degreaser, commercial detergent or other suitable cleaner. NOTE: Only the V2100 System Galvanizing Compounds are to be used on galvanized steel. Do not use any other of the V2100 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. Note: Clean-up wet V2115838 Silver Aluminum with xylol or acetone. 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.

|  | <b>TECHNICAL DATA</b> <span style="float: right;"><b>RO-01</b></span> |  |
|---|---|--|
|   | <b>RUST-OLEUM® HIGH PERFORMANCE<br/>V2100 SYSTEM ENAMEL AEROSOL</b>   |  |

## PHYSICAL PROPERTIES

|   |                  | ENAMELS  | PRIMERS   | GALVANIZING  | HIGH HEAT  |
|---|------------------|--|---|--|--|
| <b>Resin Type</b>   |                  | V2102838, V2115838, and V2119838: Acrylic; All others: Modified alkyd  | Modified Alkyd and Acrylic  | Epoxy Ester  | V2116838: silicone blend<br>V2176838: silicone modified alkyd  |
| <b>Pigment Type</b>   |                  | 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<br>V2176838: black manganese ferrite  |
| <b>Solvents</b>   |                  | Acetone, xylene, toluene (fluorescents also contain hexane), and liquefied petroleum gas propellant  |   |  |  |
| <b>MIR</b>  |                  | Finishes: Max value of 0.95<br>Metallics: Max value of 1.25 Flat<br>Finishes: Max value of 0.80<br>Fluorescents: Max Value of 1.3                    | Maximum value of 0.7  | Maximum value of 1.25  | Max value of 1.85  |
| <b>Fill Weight</b>  |                  | V2102, V2115, V2119 and all fluorescents: 14 oz. (398g.); All others: 15 oz. (426g) Mini Spray 3 oz.   | 15 oz. (426 grams)<br>Mini Spray 3 oz.  | 20 oz. (568 grams)   | 15 oz. (426 grams)   |
| <b>Recommended Dry Film Thickness (DFT) Per Coat</b>                                    |                  | 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)  |
| <b>Practical Coverage at Recommended DFT (Square Feet / Aerosol) (Depends on color)</b> |                  | V2100 finishes: Approx. 12-20 sq.ft. (1.1-1.9 m²)<br>Fluorescent finishes: Approx. 10 sq.ft. (0.9 m²)<br>Mini Spray: Approximately 3 sq.ft. (0.7 m²) | Approximately 12-20 sq.ft. (1.1-1.9 m²)<br>Mini Spray: Approx. 3 sq.ft. (0.7 m²)  | Approximately 12-20 sq.ft. (1.1-1.9 m²)  | Approximately 12-20 sq.ft. (1.1-1.9 m²)                        |
| <b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>                         | <b>Tack-free</b> | 10-20 minutes  | 10-20 minutes   | 10-20 minutes  | V2116838: 10-20 minutes<br>V2176838: 2-4 hours                 |
|   | <b>Handle</b>    | 1-2 hours  | 1-2 hours   | 1-2 hours  | V2116838: 1-2 hours<br>V2176838: 4-7 hours                     |
|   | <b>Recoat</b>    | Within 1 hour or after 24 hours*   | At any time   | Within 1 hour or after 24 hours**  | V2116838: Anytime<br>V2176838: Within 1 hour or after 24 hours |
| <b>Dry Heat Resistance</b>  |                  | 200°F (93°C)   | 200°F (93°C)  | 200°F (93°C)   | 1000°F (538°C)   |
| <b>Safety Information</b>   |                  | For additional information, see SDS  |   |  |  |

Calculated values are shown and may vary 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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