

**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.

## 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 |

## PRODUCT APPLICATION (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. Mold and mildew must be cleaned with a chlorinated cleaner or bleach solution. Rinse with fresh water and allow to dry.

**PRODUCT APPLICATION (CONT.)**

**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).

**PRODUCT APPLICATION (CONT.)**

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   |
|--|---|--|--|---|
| <b>Resin Type</b>  | V2102838, V2115838, 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>Volatile Organic Compounds</b>                                  | Finishes: <65% by weight<br>Metallics: <80% by weight   | <60% by weight   | <60% by weight   | <80% by weight  |
| <b>MIR</b>   | Finishes: Max value of 1.4<br>Metallics: Max value of 1.9   | Maximum value of 1.2   | Maximum value of 1.2   | Max value of 1.85   |
| <b>Fill Weight</b>   | V2102, V2115, V2119 and all fluorescents: 14 oz. (398 g);<br>All others: 15 oz. (426 g)<br>Mini Spray 3 oz.   | 15 oz. (426 g)<br>Mini Spray 3 oz.   | 20 oz. (568 g)   | 15 oz. (426 g)  |
| <b>Theoretical Coverage Rate @ 1 mil DFT<br/>Sq. ft. / aerosol</b> | Finishes: 25.9-36.0;<br>Fluorescents: 26.8-28.6<br>V2102838 Clear: 21.5<br>V2115838 Aluminum: 11.5<br>V2119838 Stainless Steel: 12.5<br>Mini Spray: 5.2-7.2                       | 31.6-32.4<br>Mini Spray 6.3-6.5  | 24.1-26.4  | V2116838 High Heat Aluminum: 10.9<br>V2116838 High Heat Black: 25.2                                 |
| <b>Recommended Dry Film Thickness (DFT) Per Coat</b>               | 1-2 mils (25-50µ)   | 1-2 mils (25-50µ)  | 1-2 mils (25-50µ)  | 1-2 mils (25-50µ)   |
| <b>Practical Coverage at Recommended DFT<br/>Sq. ft. / aerosol</b> | V2100 finishes: approx. 14 sq. ft. (1.3 m <sup>2</sup> )<br>Fluorescent finishes: approx. 10 sq. ft. (0.9 m <sup>2</sup> )<br>Mini Spray: approx. 3 sq. ft. (0.7 m <sup>2</sup> ) | Approximately 14 sq. ft. (1.3 m <sup>2</sup> )<br>Mini Spray: approx. 3 sq. ft. (0.7 m <sup>2</sup> )  | Approximately 14 sq. ft. (1.3 m <sup>2</sup> )   | Approximately 14 sq. ft. (1.3 m <sup>2</sup> )  |
| <b>Dry Times at 70-80°F (21-27°C) and 50% rel. hum.</b>            | <b>Tack-free</b>  | 10-20 minutes  | 10-20 minutes  | V2116838: 10-20 minutes<br>V2176838: 2-4 hours  |
|  | <b>Handle</b>   | 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**<br>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>Shelf Life</b>  | 5 years   | 5 years  | 5 years  | 5 years   |
| <b>Specifications</b>  | Can be used in USDA-regulated facilities based on FSIS directive 11,000.4 (Rev. 4), November 24, 1995. Agriculture Canada accepted.   |  |  |   |
| <b>Safety Information</b>  | <b>Contains</b>   | Acetone, xylene, toluene (fluorescents also contain hexane), and liquefied petroleum gas propellant  |  |   |
|  | <b>Warning!</b>   | <b>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.</b> |  |   |

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.