

# Product Data Sheet

No. 1300 - 02/19

## RUST PROOF ANY-WAY SPRAY PAINT

VOC/CARB MIR: FLAT <60% / ≤0.8; NON-FLAT <65% / ≤0.95; METALLIC 80% / ≤1.25

### PRODUCT NUMBERS:

|                         |                      |                  |                           |                              |
|-------------------------|----------------------|------------------|---------------------------|------------------------------|
| 157 - J.D. GREEN        | 302 - SAFETY YELLOW* | 308 - BRITE RED  | 314 - BROWN               | 342 - SEMI FLAT BLACK        |
| 167 - CAT. YELLOW (OLD) | 303 - SAFETY BLUE*   | 309 - ALUMINUM   | 317 - TAN                 | 344 - SATIN BLACK            |
| 168 - CAT YELLOW (NEW)  | 304 - SAFETY GREEN*  | 310 - SILVER †   | 318 - LIGHT BLUE          | 348 - METER GREEN            |
| 178 - SCHOOL BUS YELLOW | 305 - SAFETY ORANGE* | 311 - GOLD       | 319 - ROYAL BLUE          | 349 - METER GRAY (ANSI-49)** |
| 300 - SAFETY PURPLE*    | 306 - SAFETY BLACK   | 312 - FLAT BLACK | 320 - FOREST GREEN        | 361 - LIGHT GRAY (ANSI-61)   |
| 301 - SAFETY RED*       | 307 - SAFETY WHITE*  | 313 - FLAT WHITE | 333 - DARK GRAY (ANSI-33) |                              |

\* OSHA Safety Colors

† Not Available in Quarts

Rust Proof Any-Way Enamel equals product number plus Q = 4 one-quart cans

### I. GENERAL DESCRIPTION

**Description:** Aervoe Rust Proof Any-Way is a high quality industrial maintenance enamel coating formulated for mild to moderate interior/exterior industrial exposures. This product offers lasting protection against corrosion, light abrasion, weathering and mild chemical fumes. Aerosol is designed to spray in any direction. Adheres to any surface.

**Benefits:** This high quality industrial coating is VOC and MIR compliant and provides good resistance to moderate environments including rain, fog, moisture. Excellent temperature resistance to 200°F; 200° to 300°F (93° to 149°C) slightly darkening. Excellent high gloss appearance, high-hide coverage (with or without primer) that provides corrosion protection especially on metal surfaces. Can be applied to any surface including plastic and over sound rusted areas; loose flakes, dirt, grease, oils, other surface contaminants or particles should be removed first with a wire brush and chemical cleaning. The aerosol's Spray-Any-Way valve allows application in any direction, including upside down.

**Applications:** Ideal for equipment maintenance and O.E.M. production. Exceeds many performance standards of nationally recognized brands. Use on metal, wood, plastic, and other common surfaces including nonporous plaster. Excellent for use on motors, tools, cabinets, pipelines, drums, conduit, ducts, furniture, steel bars, railings, tool boxes and electrical equipment.

**Directions:** For best results, surface must be clean, dry and free of grease, rust, scale and any other loose particles that could affect film adhesion. Surface Preparation - **Bare Metal:** Clean surface with Aervoe # 399 or 400 Cleaner/Degreaser or other suitable cleaner. Allow to dry before application. **Previously Coated:** Apply to properly primed or previously coated surfaces (scuff glossy surfaces, then clean). If an immoderate time has passed since coating was applied, then remove all dust, dirt,

greased, or chemical contaminants by washing surface with Aervoe #399 Cleaner/Degreaser, a commercial detergent, or other suitable cleaner. Rinse thoroughly with water and allow to dry before application.

A primer is not usually needed for most surfaces; however, it is recommended over bare metal, crevices and seams to achieve the best results. **Aerosol:** Shake well for 1 minute after rattle of agitator ball is heard. Hold can 6 to 8 inches from surface. Two light coats are better than one heavy coat. **Bulk:** Stir thoroughly and apply by brush, roller or spray. **Thinning:** Generally not required for brush or roller application. For HVLP or conventional spraying equipment, thin 15% to 25% with acetone or non-VOC thinner. Check local VOC regulations / air quality standards prior to thinning as the use of thinners may increase the VOC content. **Recoating:** To avoid lifting or wrinkling of the first coat, the second coat must be applied within the time specified as the recoat window or after full cure. This is shown in Section II under Dry Schedule as "To recoat" and "Full cure." If the recoat window has passed, the next coat must be applied after full cure has been achieved. The aerosol system is compatible with the bulk system so you may apply the aerosol as the second coat over the bulk, providing the application follows the recoat window for the bulk product.

**Limitations:** Please refer to the Safety Data Sheet for specific information on material hazards, etc. Check all plastic surfaces for adhesion and compatibility before use. Not recommended for water immersion services.

#### Packaging:

|          |                |  |                       |
|----------|----------------|--|-----------------------|
| Aerosol: | Cans (16 oz.)  | All colors except #310 Silver - 12 oz. net wt. (340 g) | 15.2 fl. oz. (449 ml) |
|          |                | #310 Silver - 11 oz. net wt. (312 g)                   | 13.6 fl. oz. (402 ml) |
|          | Case (6/case): | 6 lbs. (2.72 kg)                                       | 0.44 CF (0.012 CM)    |
| Bulk:    | 4-quart cans:  | 12 lbs. (5.44 kg)                                      | 0.29 CF (0.008 CM)    |

## II. CHARACTERISTICS & PROPERTIES (Average for all colors)

### Specifications:

None

### Appearance:

|                    | Aerosol                     | Silver Aerosol | Bulk                  |
|--------------------|-----------------------------|----------------|-----------------------|
| Gloss at 60° ..... | Flat <5 / Gloss >90 .....   | >90 .....      | Flat <5 / Gloss >85   |
| Class .....        | Flat, Gloss, Metallic ..... | Metallic ..... | Flat, Gloss, Metallic |

### Coverage:

|                                  | Aerosol              | Silver Aerosol       | Bulk            |
|----------------------------------|----------------------|----------------------|-----------------|
| Theoretical (at 1 mil dry) ..... | 22 sq. ft./can ..... | 20 sq. ft./can ..... | 900 sq. ft./gal |
| Practical (at 2 mil dry) .....   | 11 sq. ft./can ..... | 10 sq. ft./can ..... | 450 sq. ft./gal |

### Dry Schedule: (at 77° F [25° C], 50% Humidity at 1 mil, dry)

|                           | Aerosol   | Silver Aerosol | Bulk        |
|---------------------------|---|----------------|-------------|
| To touch .....            | 15 min. ....  | 15 min. ....   | 2 to 4 hrs. |
| To handle .....           | 30 min. ....  | 30 min. ....   | 8 to 9 hrs. |
| Full cure .....           | 72 hrs. ....  | 72 hrs. ....   | 72 hrs.     |
| To recoat (aerosol) ..... | Before 1 hr. or after 72 hours to avoid lifting ..... |                |             |
| To recoat (bulk) .....    | Before 8 hrs. or after 24 hrs. to avoid lifting       |                |             |

### Performance and Chemical Properties:

|  |   |                                 |                           |
|--|---|---------------------------------|---------------------------|
| Weight per gallon .....  | 6.13 lbs. ....  | 5.5 lbs. ....                   | 8.72 lbs.                 |
| Specific gravity .....   | 0.74 .....  | 0.66 .....                      | 1.05                      |
| Viscosity .....  | Not Applicable .....  | Not Applicable .....            | 85-100 ku                 |
| Flammability: Label marking .....                                | Extremely Flammable .....   | Extremely Flammable .....       | Flammable                 |
| Flash point .....  | <0° F (-18° C) .....  | <0° F (-18° C) .....            | <25°F (-3°C)              |
| Operating temperature range .....                                | 40° to 100°F (4° to 38°C) .....                                   | 40° to 100°F (4° to 38°C) ..... | 40° to 100°F (4° to 38°C) |
| Percent solids by weight .....                                   | See attached .....  | See attached .....              | See attached              |
| Percent solids by volume .....                                   | See attached .....  | See attached .....              | See attached              |
| Percent pigment by volume .....                                  | 1.4% .....  | 0.78% .....                     | 9.7% (average)            |
| Volatile Organic Compound level (flat, non-flat, metallic) ..... | <60%, <65%, <80% .....  |                                 |                           |
| CARB MIR (aerosol) .....   | ≤0.8 (flat), ≤0.95 (non-flat), ≤ 1.25 (metallic)                  |                                 |                           |
| CARB MIR (bulk) .....  | Not Regulated   |                                 |                           |
| Interior durability .....  | Excellent .....   | Good .....                      | Excellent                 |
| Exterior durability .....  | Excellent .....   | Fair .....                      | Excellent                 |
| Temperature resistance (aerosol) .....                           | Excellent to 200°F; 200° to 300°F (93° to 149°C) slight darkening |                                 |                           |
| Temperature resistance (bulk) .....                              | Excellent to 200°F  |                                 |                           |
| Color fastness .....   | Excellent .....   | Excellent .....                 | Very Good                 |
| Adhesion .....   | Good .....  | Fair .....                      | Excellent                 |
| Salt spray corrosion .....                                       | >200 hrs. direct to metal .....                                   | >200 hrs. direct to metal ..... | >300 hrs direct to metal  |
| Mineral spirits resistance .....                                 | Good .....  | Poor .....                      | Good                      |
| Gasoline resistance .....  | Poor .....  | Poor .....                      | Good                      |
| Motor oil resistance .....                                       | Good .....  | Poor .....                      | Good                      |
| Pencil hardness .....  | H .....   | <2B .....                       | F                         |

### Base Materials

|                          |                             |                             |                          |
|--------------------------|-----------------------------|-----------------------------|--------------------------|
| Resin system .....       | Acrylic Alkyd .....         | Isoprene .....              | Acrylic Alkyd            |
| Solvents (top two) ..... | Acetone, VM&P Naphtha ..... | VM&P Naphtha, Heptane ..... | Acetone, Mineral Spirits |
| Propellant System .....  | Hydrocarbon .....           | Hydrocarbon .....           | Not applicable           |

## III. SHIPPING, STORAGE AND HEALTH

|                                      | Aerosol                         | Bulk                                    |
|--------------------------------------|---------------------------------|---|
| UN number .....                      | UN1950 .....                    | UN1263                                  |
| Proper Shipping Description .....    | Aerosols .....                  | Paint                                   |
| Hazard Class .....                   | 2.1 .....                       | 3                                       |
| Packing Group .....                  | N/A .....                       | II                                      |
| Limited Quantity .....               | Yes .....                       | Container size determines applicability |
| Warehouse storage level number ..... | 3 .....                         | N/A                                     |
| Storage temperature .....            | 32° to 120°F (0° to 49°C) ..... | 32° to 120°F (0° to 49°C)               |
| Shelf life .....                     | 1 to 2 years .....              | 2 to 5 years                            |
| HMIS ratings                         |                                 |   |
| Health .....                         | 1 .....                         | 2                                       |
| Fire .....                           | 4 .....                         | 3                                       |
| Reactivity .....                     | 1 .....                         | 1                                       |

## IV. MISCELLANEOUS

Contains no Ozone Depleting Substances (O.D.S.)

## V. WARRANTY

1-year performance warranty on all products from date of purchase. Report to home office or local Aervoe representative for examination. Because Seller cannot control Buyer's handling or use of product, Seller makes no warranty expressed or implied when not used or stored in accordance with directions. Seller shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement of product or credit of purchase.

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# RUST PROOF ANY-WAY SPRAY PAINT (AEROSOL)

| PRODUCTS              | % SOLIDS<br>BY WEIGHT | % SOLIDS<br>BY VOLUME | MIR & % VOCs        |
|-----------------------|-----------------------|-----------------------|---------------------|
| 157 J.D. Green        | 17.8                  | 12.7                  | <0.95, 65% Non-Flat |
| 167 Cat. Yellow (old) | 18.4                  | 12.9                  | <0.95, 65% Non-Flat |
| 168 Cat. Yellow (new) | 18.8                  | 12.5                  | <0.95, 65% Non-Flat |
| 178 School Bus Yellow | 21.6                  | 13.0                  | <0.95, 65% Non-Flat |
| 300 Safety Purple     | 17.5                  | 12.6                  | <0.95, 65% Non-Flat |
| 301 Safety Red        | 15.3                  | 11.2                  | <0.95, 65% Non-Flat |
| 302 Safety Yellow     | 17.6                  | 12.7                  | <0.95, 65% Non-Flat |
| 303 Safety Blue       | 16.3                  | 12.0                  | <0.95, 65% Non-Flat |
| 304 Safety Green      | 17.1                  | 12.2                  | <0.95, 65% Non-Flat |
| 305 Safety Orange     | 19.0                  | 12.5                  | <0.95, 65% Non-Flat |
| 306 Safety Black      | 15.7                  | 11.4                  | <0.95, 65% Non-Flat |
| 307 Safety White      | 19.8                  | 11.0                  | <0.95, 65% Non-Flat |
| 308 Brite Red         | 15.2                  | 11.1                  | <0.95, 65% Non-Flat |
| 309 Aluminum          | 17.3                  | 11.1                  | <1.25, 80% Metallic |
| 310 Silver            | 19.6                  | 9.9                   | <1.25, 80% Metallic |
| 311 Gold              | 15.5                  | 8.3                   | <1.25, 80% Metallic |
| 312 Flat Black        | 21.2                  | 11.1                  | <0.80, 60% Flat     |
| 313 Flat White        | 20.7                  | 9.7                   | <0.80, 60% Flat     |
| 314 Brown             | 16.8                  | 12.1                  | <0.95, 65% Non-Flat |
| 317 Tan               | 19.1                  | 13.3                  | <0.95, 65% Non-Flat |
| 318 Light Blue        | 19.1                  | 11.2                  | <0.95, 65% Non-Flat |
| 319 Royal Blue        | 16.9                  | 11.3                  | <0.95, 65% Non-Flat |
| 320 Forest Green      | 16.3                  | 12.1                  | <0.95, 65% Non-Flat |
| 333 Dark Gray         | 18.1                  | 12.7                  | <0.95, 65% Non-Flat |
| 342 Semi Flat Black   | 18.1                  | 11.1                  | <0.95, 65% Non-Flat |
| 344 Satin Black       | 17.5                  | 11.0                  | <0.95, 65% Non-Flat |
| 348 Meter Green       | 19.8                  | 11.1                  | <0.95, 65% Non-Flat |
| 349 Meter Gray        | 16.9                  | 11.9                  | <0.95, 65% Non-Flat |
| 361 Light Gray        | 17.9                  | 11.1                  | <0.95, 65% Non-Flat |

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# RUST PROOF ANY-WAY ENAMEL (NON-AEROSOL)

| PRODUCTS              | % SOLIDS<br>BY WEIGHT | % SOLIDS<br>BY VOLUME | Coating VOCs |
|-----------------------|-----------------------|-----------------------|--------------|
| 157 J.D. Green        | 61                    | 57                    | 356 g/L      |
| 167 Cat. Yellow (old) | 62                    | 58                    | 348 g/L      |
| 168 Cat. Yellow (new) | 62                    | 56                    | 354 g/L      |
| 178 School Bus Yellow | 62                    | 58                    | 343 g/L      |
| 300 Safety Purple     | 63                    | 58                    | 330 g/L      |
| 301 Safety Red        | 61                    | 56                    | 334 g/L      |
| 302 Safety Yellow     | 63                    | 56                    | 328 g/L      |
| 303 Safety Blue       | 61                    | 57                    | 339 g/L      |
| 304 Safety Green      | 62                    | 58                    | 340 g/L      |
| 305 Safety Orange     | 61                    | 56                    | 333 g/L      |
| 306 Safety Black      | 61                    | 52                    | 338 g/L      |
| 307 Safety White      | 67                    | 54                    | 335 g/L      |
| 308 Brite Red         | 61                    | 52                    | 338 g/L      |
| 309 Aluminum          | 60                    | 52                    | 350 g/L      |
| 311 Gold              | 60                    | 66                    | 352 g/L      |
| 312 Flat Black        | 73                    | 62                    | 280 g/L      |
| 313 Flat White        | 73                    | 51                    | 290 g/L      |
| 314 Brown             | 61                    | 57                    | 340 g/L      |
| 317 Tan               | 64                    | 61                    | 340 g/L      |
| 318 Light Blue        | 67                    | 57                    | 337 g/L      |
| 319 Royal Blue        | 62                    | 57                    | 327 g/L      |
| 320 Forest Green      | 62                    | 57                    | 333 g/L      |
| 333 Dark Gray         | 61                    | 52                    | 326 g/L      |
| 342 Semi Flat Black   | 75                    | 58                    | 250 g/L      |
| 344 Satin Black       | 72                    | 60                    | 250 g/L      |
| 348 Meter Green       | 63                    | 59                    | 333 g/L      |
| 349 Meter Gray        | 65                    | 57                    | 332 g/L      |
| 361 Light Gray        | 66                    | 54                    | 340 g/L      |

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# SURFACE PREPARATION, APPLICATION, AND EQUIPMENT RECOMMENDATION

## 1300 Rust Proof Any-Way Enamel (VOC < 340 g/L) - 02/19

### SURFACE PREPARATION

- Bare Metal** Remove all dust, dirt, grease, or chemical contaminants by washing surface with Aervoe #399 or 400 Cleaner/Degreaser, or other suitable cleaner. Allow to dry before application.
- Previously Coated** Apply to properly primed or previously coated surfaces (scuff glossy surfaces then clean). If immoderate period of time has past since coating was applied, then remove all dust, dirt, grease, or chemical contaminants by washing surface with Aervoe #399 Cleaner/Degreaser, a commercial detergent, or other suitable cleaner. Rinse thoroughly with water and allow to dry before application.

### APPLICATION

For best results apply when air and surface temperatures are between 50° & 90° F (10° & 32° C), and the surface is at least 5°F above the dew point.

### THINNING

- Brush/Roller** Thinning is generally not required but if needed use 5% - 15% acetone (approx. 1/2 pint per gallon).
- Air-Atomized Spray** Use up to 15% - 25% Acetone (approx. 1/2 pint per gallon)
- Airless Spray** Use up to 15% - 25% Acetone (approx. 1/2 pint per gallon)
- Cleanup** Acetone

### EQUIPMENT

- Brush** Use a good quality natural or synthetic bristle brush.
- Roller** Use a good quality natural or synthetic cover. Use a short nap for smooth surfaces and a medium nap for rough surfaces.

| AIR-ATOMIZED<br>SPRAY | Fluid x Air<br>Nozzles | Nozzle<br>Type    | 30 psi                          |                |      | 50 psi |      |             | 70 psi |     |  | Max<br>Pattern | Fluid<br>Needle |
|-----------------------|------------------------|-------------------|---------------------------------|----------------|------|--------|------|-------------|--------|-----|--|----------------|-----------------|
|                       |                        |                   |                                 |                |      |        |      |             |        |     |  |                |                 |
| Pressure              | 65SSx63PK              | PE                | 11.0                            | 16.5           | 22.0 | 15.0"  |      |             |        |     |  |                | 765             |
|                       | 63CSSx200              | PI                | 3.1                             | 5.2            | 6.4  | 12.0"  |      |             |        |     |  |                | 763A            |
| SIPHON                | Fluid<br>Nozzle        | Air<br>Nozzle     | Needle<br>Valve                 | Max<br>Pattern | CRM  |        |      | Fluid Flow* |        |     |  |                |                 |
|                       |                        |                   |                                 |                | 20   | 30     | 40   | 20          | 30     | 40  |  |                |                 |
|                       | 66SS                   | 66SD              | 865                             | 12"@40psi      | 7.5  | 10.0   | 12.0 | 205         | 244    | 275 |  |                |                 |
| HVLP                  | Fluid<br>Tip           | Fluid<br>Delivery | Atomizing<br>Pressure           |                |      |        |      |             |        |     |  |                |                 |
|                       | .043 - .070            | 8 - 14 oz. (min.) | 60 - 90 psi (10 psi max at tip) |                |      |        |      |             |        |     |  |                |                 |
| AIRLESS<br>SPRAYER    | Pump<br>Ratio          | Fluid<br>Tip      | Fluid<br>Pressure               | Filter<br>Mesh |      |        |      |             |        |     |  |                |                 |
|                       | High Gloss 30:1        | .013 - .017       | 1600-2000 psi                   | 100            |      |        |      |             |        |     |  |                |                 |
|                       | Semi-Gloss 30:1        | .013 - .017       | 1600-2400 psi                   | 100            |      |        |      |             |        |     |  |                |                 |
|                       | Flat 30:1              | .013 - .019       | 1600-2400 psi                   | 60             |      |        |      |             |        |     |  |                |                 |
|                       | Metallic 30:1          | .013 - .017       | 1600-2400 psi                   | 60             |      |        |      |             |        |     |  |                |                 |

\* Fluid flow in cc/minute