

# Product Data Sheet

No. 1300 - 01/12

## RUST PROOF ANY-WAY SPRAY PAINT

VOC/CARB MIR: FLAT <60% /  $\leq 1.20$ ; NON-FLAT <65% /  $\leq 1.40$ ; METALLIC 80% /  $\leq 1.90$

### PRODUCT NUMBERS:

157 - J.D. GREEN	302 - SAFETY YELLOW*	308 - BRITE RED	314 - BROWN	333 - DARK GRAY (ANSI-33)
167 - CAT. YELLOW (OLD)	303 - SAFETY BLUE*	309 - ALUMINUM	317 - TAN	342 - SEMI FLAT BLACK
168 - CAT YELLOW (NEW)	304 - SAFETY GREEN*	310 - SILVER †	318 - LIGHT BLUE	344 - SATIN BLACK
178 - SCHOOL BUS YELLOW	305 - SAFETY ORANGE*	311 - GOLD	319 - ROYAL BLUE	348 - METER GREEN
300 - SAFETY PURPLE*	306 - SAFETY BLACK	312 - FLAT BLACK	320 - FOREST GREEN	349 - METER GRAY (ANSI-49)**
301 - SAFETY RED*	307 - SAFETY WHITE*	313 - FLAT WHITE	322 - EQUIPMENT ORANGE	361 - LIGHT GRAY (ANSI-61)
				381 - ALMOND

\* 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 Spray Paint 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. Package 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 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 past since coating was applied, then remove all dust, dirt, grease, or chemical contaminants by washing surface with Aervoe #399 or 400 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.

**Limitations:** Please refer to the Material 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 (211x604)	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. (366 ml)
	Case (6/case):	7 lbs. (3.17 kg)	0.44 CF (0.012 CM)
Bulk:	4-quart cans:	12 lbs. (5.4 kg)	0.29 CF (0.008 CM)

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

### Specifications:

None

### Appearance:

#### Aerosol

#### Bulk

Gloss at 60° ..... Flat <5 / Gloss >90 ..... Flat <5 / Gloss >85  
Class ..... Flat, Gloss, Metallic ..... Flat, Gloss, Metallic

### Coverage:

Theoretical (at 1 mil dry) ..... 22 sq. ft./can ..... 900 sq. ft./gal  
Practical (at 2 mil dry) ..... 11 sq. ft./can ..... 450 sq. ft./gal

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

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

### Performance and Chemical Properties:

Weight per gallon ..... 6.13 lbs ..... 8.72 lbs.  
Specific gravity ..... 0.74 ..... 1.05  
Flammability: Label marking ..... Extremely Flammable ..... Flammable  
Flash point ..... <0° F (-18° C) ..... <88° F (31° C)  
Operating temperature range ..... 50° to 90° F (10° to 32° C) ..... 50° to 90° F (10° to 32° C)  
Percent solids by weight ..... See attached ..... See attached  
Percent solids by volume ..... See attached ..... See attached  
Percent pigment by volume ..... 1.4% ..... 9.7% (average)  
Volatile Organic Compound level (aerosol) ..... < 60% (flat), < 65% (non-flat), < 80% (metallic)  
Volatile Organic Compound level (bulk) ..... <340 g/l  
CARB MIR (aerosol) ..... ≤ 1.20 (flat), ≤ 1.40 (non-flat), ≤ 1.90 (metallic)  
CARB MIR (bulk) ..... Not Regulated  
Interior durability ..... Excellent ..... Excellent  
Exterior durability ..... Excellent ..... 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 ..... Very Good  
Adhesion ..... Good ..... Excellent  
Salt spray corrosion ..... >200 hrs direct to metal ..... >300 hrs direct to metal  
Mineral spirits resistance ..... Good ..... Good  
Gasoline resistance ..... Poor ..... Good  
Motor oil resistance ..... Good ..... Good  
Pencil hardness ..... H ..... F  
Food contact rating ..... See Specifications ..... See Specifications

### Base Materials

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

## III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
IMDG number	UN 1950	UN 1263
D.O.T. container spec	2P	1A2, 3A2, 4G
D.O.T. shipping description	Consumer Commodity	Paint related material
Warehouse storage level number	NFPA 30B Level 3	Flammable liquid, Class 1-C
Hazardous class (CFR-49)	ORM-D	Flammable liquid
Storage temperature	32° to 120° F (0° to 49° C)	40° to 120° F (4° to 49° C)
Shelf life	1 year	5 years
HMIS ratings		
Health	2	2
Fire	4	3
Reactivity	1	0

## IV. MISCELLANEOUS

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

## V. WARRANTY

The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries, Inc. to the user of the product, is limited to replacement of the product or purchase price refunded.

# RUST PROOF ANY-WAY SPRAY PAINT

PRODUCTS	% SOLIDS BY WEIGHT	% SOLIDS BY VOLUME	MIR & % VOCs
157 J.D. Green	17.8	12.7	<1.40, 65% Non-Flat
167 Cat. Yellow (old)	18.4	12.9	<1.40, 65% Non-Flat
168 Cat. Yellow (new)	18.8	12.5	<1.40, 65% Non-Flat
178 School Bus Yellow	21.6	13.0	<1.40, 65% Non-Flat
300 Safety Purple	17.5	12.6	<1.40, 65% Non-Flat
301 Safety Red	15.3	11.2	<1.40, 65% Non-Flat
302 Safety Yellow	17.6	12.7	<1.40, 65% Non-Flat
303 Safety Blue	16.3	12.0	<1.40, 65% Non-Flat
304 Safety Green	17.1	12.2	<1.40, 65% Non-Flat
305 Safety Orange	19.0	12.5	<1.40, 65% Non-Flat
306 Safety Black	15.7	11.4	<1.40, 65% Non-Flat
307 Safety White	19.8	11.0	<1.40, 65% Non-Flat
308 Brite Red	15.2	11.1	<1.40, 65% Non-Flat
309 Aluminum	17.3	11.1	<1.90, 80% Metallic
310 Silver	12.9	7.9	<1.90, 80% Metallic
311 Gold	15.5	8.3	<1.90, 80% Metallic
312 Flat Black	21.2	11.1	<1.20, 60% Flat
313 Flat White	20.7	9.7	<1.20, 60% Flat
314 Brown	16.8	12.1	<1.40, 65% Non-Flat
317 Tan	19.1	13.3	<1.40, 65% Non-Flat
318 Light Blue	19.1	11.2	<1.40, 65% Non-Flat
319 Royal Blue	16.9	11.3	<1.40, 65% Non-Flat
320 Forest Green	16.3	12.1	<1.40, 65% Non-Flat
322 Equip. Orange	19.8	12.8	<1.40, 65% Non-Flat
333 Dark Gray	18.1	12.7	<1.40, 65% Non-Flat
342 Semi Flat Black	18.1	11.1	<1.40, 65% Non-Flat
344 Satin Black	17.5	11.0	<1.40, 65% Non-Flat
348 Meter Green	19.8	11.1	<1.40, 65% Non-Flat
349 Meter Gray	16.9	11.9	<1.40, 65% Non-Flat
361 Light Gray	17.9	11.1	<1.40, 65% Non-Flat
381 Almond	19.5	11.1	<1.40, 65% Non-Flat

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# SURFACE PREPARATION, APPLICATION AND EQUIPMENT RECOMMENDATION

## 1300 Rust Proof Any-Way Enamel (VOC < 340 g/L) - 01/12

### 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 or 400 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% (approx. 1/2 pint per gallon) Acetone.
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 Spray

	Fluid x Air Nozzles	Nozzle Type	30 psi	50 psi	70 psi	Max Pattern	Fluid Needle
Pressure	65SSx63PK	PE	11.0	16.5	22.0	15.0"	765
	63CSSx200	PI	3.1	5.2	6.4	12.0"	763A

	Fluid Nozzle	Air Nozzle	Needle Valve	Max Pattern	CRM			Fluid Flow*		
					20	30	40	20	30	40
HVLP Siphon	66SS	66SD	865	12"@40psi	7.5	10.0	12.0	205	244	275

Airless Sprayer	Fluid Tip	Fluid Delivery	Atomizing Pressure
	.043 - .070	8 - 14 oz. (min.)	60 - 90 psi (10 psi max at tip)

	Pump Ratio	Fluid Tip	Fluid Pressure	Filter Mesh
* Fluid flow in cc/minute	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