Product Data Sheet

No. 1145 - 11/10

STEEL RENEW

AEROSOL VOC <80% MIR 1.90 METALLIC

PRODUCT NUMBERS:
145 - 13 OZ. NET WT. AEROSOL

I. GENERAL DESCRIPTION

Description: Aervoe Steel Renew is a modified urethane coating that provides optimum resistance to weather, abrasion, and corrosion in general maintenance applications. Dries quickly to a satin finish. Provides rust protection using real stainless steel.

Benefits: Steel Renew is formulated with 100% 316L stainless steel pigment. Provides a hard, non toxic, metallic finish that protects a variety of surfaces from ultraviolet rays, chemicals, oils, alkalis, food acids, water immersion, abrasion, and high pressure wash-downs. Long lasting rust protection. USDA accepted as a coating in federally inspected meat and poultry plants for application to structural surfaces or surfaces where there is a possibility of incidental food contact. Lead free.

Applications: Use on structural steel, food processing and packaging equipment, metal parts, industrial equipment, tools, trailers, tanks, towers, truck maintenance, auto parts, refrigeration equipment, and general plant machinery. Also safe for use on wood, brick, plaster, tile, glass, masonry, porcelain, fiberglass, and masonite when a stainless steel finish is desired.

Directions: Surface must be dry, and free of all dirt, grease, wax, oil, rust, flaking paint, loose rust, and any other contaminants that would prevent paint adhesion. Severely rusted areas should be cleaned with wire brush to remove loose scale. For best results, apply at temperatures between 60° and 80°F (16° and 27°C). A primer is not necessary, but it is recommended prior to application on bare metal surfaces. Shake can vigorously for 2 minutes after agitator ball is heard, and intermittently during use. Spray in a sweeping motion from a distance of 8 to 10 inches from surface to be painted. Several light coats are better than one heavy coat. Clear spray nozzle prior to storage by turning can upside down and spraying for 2 to 3 seconds.

Limitations: Please refer to the Material Safety Data Sheets for specific information on material hazards, etc. Product has limited shelf life of 12 months from the date of purchase.

Packaging:

Aerosol:	Cans (211x604)	13 net wt. (369 g)	15.0 fl. oz. (456 ml)
	Case (12/case):	14 lbs. (6.35 kg)	0.47 CF (0.013 CM)

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II. CHARACTERISTICS & PROPERTIES

Specifications:

None

Appearance:

Gloss at 60°	15
Class	Metallic
Coverage:	Aerosol
Theoretical–at 1 mil dry	24 sq. ft./can
Practical–at 1/2 mil dry	48 sq. ft./can

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

To touch	15 min
To handle	60 min
Full cure	5-7 days
To recoat	Before 2 hrs. or after 5 days (120 hrs.)

Performance and Chemical Properties:

Weight per gallon	6.78 lbs
Specific gravity	0.81
Viscosity	Not applicable
Flammability: Label marking	Extremely flammable
Flash point	< 0°F (–18°C)
Operating temperature range	60° to 80°F (16° to 27°C)
Percent solids by weight	28%
Percent solids by volume	13%
Percent pigment by volume	2%
Volatile Organic Compound level	<80%
MIR	1.90
Interior durability	Excellent
Exterior durability	Good
Temperature resistance	350°F (177°C)
Color fastness	Excellent
Adhesion	Excellent
Salt spray corrosion	Good
Mineral spirits resistance	Excellent
Gasoline resistance	Excellent
Motor oil resistance	Excellent
Pencil hardness	H
Food contact rating	See specifications

Base Materials:

Resin system	Urethane modified alkyd
Solvents (top two)	Acetone, n-butyl acetate
Propellant system	Hydrocarbon

III. SHIPPING, STORAGE AND HEALTH

IMDG number	UN 1950
D.O.T. container spec	2P
D.O.T. shipping description	Consumer Commodity
Warehouse storage level number	NFPA 30B Level 2
Hazardous class (CFR-49)	ORM-D
Storage temperature	40° to 120°F (4° to 49°C)
Shelf life	1 year
HMIS ratings	
Health	2
Fire	4
Reactivity	1

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.