

RUST-OLEUM®



## 4300 SYSTEM PURE SILICONE ALUMINUM

### DESCRIPTION AND USES

A unique aluminum coating utilizing a pure silicone resin to provide protection to surfaces subject to temperatures between 500-1,200°F (260-649°C). Designed to be used both interior and exterior as a two-coat system for incinerators, drying kilns, stacks and similar high heat equipment.

This product complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

### PRODUCTS

Quart	1-Gallon	Description
261969	4315402	Aluminum

### APPEARANCE

Metallic aluminum

### RECOMMENDED PRIMER

4315 is designed to be used as a two-coat system.

### PACKAGING

1 gallon containers

### PRODUCT APPLICATION

#### SURFACE PRERARATION

Abrasive blast to a minimum Near White Grade (SSPC-SP-10, NACE 2) to achieve a 0.5 mil surface profile.

#### APPLICATION

Apply only when air and surface temperatures are between 32-125°F (0- 52°C) and surface temperature is at least 5°F above the dew point. Two coats are required.

#### EQUIPMENT RECOMMENDATIONS

(Comparable Equipment Also Suitable).

BRUSH: Use good quality natural or synthetic bristle brush. (FOR TOUCH-UP ONLY)

ROLLER: Use good quality natural or synthetic cover. (FOR TOUCH-UP ONLY)

AIR-ATOMIZED SPRAY:

Model	Air Cap	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	63PB	66	16 oz./min.	25-60 psi
Siphon	704	FF	16 oz./min.	25-60 psi

AIRLESS SPRAY: Not recommended.

#### THINNING

BRUSH/ROLLER: 140 Thinner: Normally not required. Use 5-10% if needed (approximately ½ pint per gallon).

AIR ATOMIZED SPRAY: 140 Thinner: Use 10-20% or as needed (approximately 1½ pints per gallon).

#### CLEAN-UP

140 Thinner

**TECHNICAL DATA****4300 SYSTEM PURE SILICONE ALUMINUM****PHYSICAL PROPERTIES**

		<b>4315 HIGH HEAT ALUMINUM</b>
<b>Resin Type</b>		Unmodified Silicone
<b>Pigment Type</b>		Leafing Aluminum
<b>Solvents</b>		Xylene, Aliphatic Hydrocarbons
<b>Weight</b>	<b>Per Gallon</b>	9.3 lbs.
	<b>Per Liter</b>	1.11 kg
<b>Solids</b>	<b>By Weight</b>	50%
	<b>By Volume</b>	34%
<b>Volatile Organic Compounds</b>		<650 g/l (5.4 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1.0-1.5 mils (25-37.5 $\mu$ )
<b>Wet Film to Achieve DFT</b>		3.0-4.5 mils (unthinned material) (75-112.5 $\mu$ )
<b>Theoretical Coverage at 1 mil DFT (25<math>\mu</math>)</b>		545 sq.ft./gal. (13.4 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		300-450 sq.ft./gal. (7.4-11.1m <sup>2</sup> /l)
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Tack-free</b>	30 minutes
	<b>Handle</b>	1 hour
	<b>Recoat</b>	1-2 hours
	<b>Full Hard</b>	Each coat requires 1 hour cure at 450°F (232°C)
<b>Shelf Life</b>		5 years
<b>Safety Information</b>		For additional information, see SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

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