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.

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 quart and 1 gallon containers

PRODUCT APPLICATION

SUFACE 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

Form: 1057990
Rev.: 111411

RUST-OLEUM® HIGH PERFORMANCE®

TECHNICAL DATA

4300 SYSTEM PURE SILICONE ALUMINUM

PHYSICAL PROPERTIES

		4315 HIGH HEAT ALUMINUM
Resin Type		Unmodified silicone
Pigment Type		Leafing aluminum
Solvents		Xylene, aliphatic hydrocarbons
Weight	**Per Gallon**	9.3 lbs.
	Per Liter	—
Solids	**By Weight**	50%
	By Volume	34%
Volatile Organic Compounds		<650 g./l. (5.4 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.0-1.5 mils
Wet Film to Achieve DFT		3.0-4.5 mils (unthinned material)
Theoretical Coverage at 1 mil DFT (25µ)		545 sq. ft./gal.
Practical Coverage at Recommended DFT (assumes 15% material loss)		300-450 sq. ft.gal.
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	**Tack-free**	30 minutes
	Handle	1 hour
	Recoat	1-2 hours
	Full Hard	Each coat requires 1 hour cure at 450°F (232°C)
Shelf Life		5 years
Performance and Specification Alternatives		Federal specifications: TT-P-28F; USDA acceptable
Safety Information	**Contains**	Less than 0.5% by weight in the dry film
	Warning!	**FLAMMABLE. HARMFUL IF INHALED. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.**

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

RUST-OLEUM® INDUSTRIAL BRANDS

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