



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 PREPARATION

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

		4315 HIGH HEAT ALUMINUM
Resin Type		Unmodified silicone
Pigment Type		Leafing aluminum
Solvents		Xylene, aliphatic hydrocarbons
Weight	Per Gallon	9.3 lbs.
	Per Liter	1.11 kg
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 (25-37.5 μ)
Wet Film to Achieve DFT		3.0-4.5 mils (unthinned material) (75-112.5 μ)
Theoretical Coverage at 1 mil DFT (25 μ)		545 sq. ft./gal. (13.4 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		300-450 sq. ft./gal. (7.4-11.1m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	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
Safety Information		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.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.