



Laster/ Castor Corp
1101 N. 161st E. Ave.
Tulsa, Ok. 74116
918-234-7777
www.LCCCoatings.com

9814 Series Aluminum 1200 degree Hi-Temp Silicone Alkyd Enamel

PRODUCT DESCRIPTION

A high performance, fast drying silicone modified aluminum enamel designed for high temperature applications that require a coating to withstand continuous temperatures of 1000 F and surges up to 1200 F with no loss of adhesion. This high performance product is single component and meets V.O.C. regulations of 5.42 lbs/gal (650g/l) for high temperature coatings.

RECOMMENDED USES

Applications include O.E.M. heat exchangers, stack, incinerators, furnace exteriors, hot piping, mufflers, exhausts and other elevated temperature metal surfaces. Excellent for cookers, smokers and gas grills because of its excellent gloss and color retention.

PRODUCT BENEFITS

Withstands Temperatures Up to 1200 F
Silicone Modified
Excellent Resistance to U.V. Exposure
Can be Used as a Primer and Finish
Will Air Dry or Can be Force Cured or Baked
Excellent Flexibility for Thermal Shock
Fast Drying for Increased Production Time
Extremely Durable
Excellent Gloss and Color Retention
Excellent Chalk Resistance
Excellent Adhesion
Easy to Apply
Brush, Roll, or Spray Application

COLORS 9814 Aluminum. 8314 Black

SURFACE PREPARATION

Surface must be clean and dry. All substrates must be cleaned free of dust, dirt, oil (including form oils & parting compounds), grease, soap residue, wax and flaking paint. Scuff sand slick, hard, glossy surfaces to promote adhesion. Sandblast or wire-brush rusty surfaces. Solvent wipe and /or detergent clean surface with 12 Paint Prep (Water-based Solvent Degreaser) according to SSPC-SP1. For optimum adhesion and corrosion resistance, rusted metal should be either sandblasted SSPC-10 and obtain a 1 to 1.5 mil (25-40 micron) blast profile. No primer is required but can be applied over 8314 Black Primer or inorganic zinc rich primer for increased performance.

APPLICATION

Mixing: Hand stir each container thoroughly before using and occasionally while applying. If necessary, thin sparingly with T-42 or 65.

Application: May be applied by air, airless, air-assisted airless, turbo or HVLP spray. Reduce if necessary max of 10%. Product may also be applied by dip or flowcoat, but runs are more apparent with metallic flakes. Recommended tip size for airless or air assisted airless spray: .013" to .015" orifice. For air spray use 50 psi air pressure and 8 psi fluid pressure with .046" I.D fluid tip and appropriate air cap 1.5 mils (40 microns) dry film thickness is recommended. Two coats are recommended over bare steel.

Coverage: One gallon will cover approximately 400 square feet per coat on smooth surfaces. Coverage figure does not include spray loss, loss due to surface porosity, surface irregularities, nor material loss when mixing.

Cleanup: Clean spills, spatters, hands, tools and other equipment promptly with Xylene. Dispose of used paint and waste in accordance with local, state, and federal regulations. Follow manufacturer's safety recommendations when using Xylene.

Application Precautions & Limitations: Apply when surface, air and product are above 40°F (4°C) and at least 5°F (3°C) above the dew point.



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Lock-Cote 9814 Series Aluminum

1200 degree F Hi-Temperature Silicone Alkyd Enamel

TECHNICAL DATA (Based on Lock-Cote 9814 Series)

COLOR:	Silver/Aluminum
VEHICLE TYPE:	Silicone Modified Alkyd
WEIGHT GALLON:	8.34 ± 0.2 lb/gal
WEIGHT SOLIDS:	37.7 ± 2.0%
VOLUME SOLIDS:	27.2 ± 2.0%
GLOSS @ 60:	N/A
VISCOSITY:	20-30" #2 Zahn @ 77 F
FLASH POINT:	57 F
COVERAGE:	
@ 1 DRY MIL:	404 sq. ft. gal
@ 400 SQ. FT/GAL SPREAD RATE:	Deposits 1.0 dry mil
VOC (g/l):	642
GRIND:	N/A
HMIS/NFPA:	2,3,0
FEDERAL SPECIFICATIONS:	N/A
THINNING & CLEANUP:	T-42 or 65
DRYING TIME @ 77°F AND 50% RH	
TO TOUCH:	30 minutes
TO RECOAT:	1 Hour

ENVIRONMENTAL & SAFETY STATEMENT: This product is not formulated with any lead, chrome or mercury containing ingredients. CAUTION! Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor or spray mist. Do not take internally. Close container after each use. Use only with adequate ventilation. Use respiratory devices and other personal protective equipment required by OSHA 29CFT 1910. KEEP OUT OF REACH OF CHILDREN. For specific safety requirements, refer to the Material Safety Data Sheet (MSDS).

LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance, but is subject to change without prior notice. We make no guarantee of any kind, express or implied, including merchantability and fitness for particular purposes. Liability, if any, is limited to replacement of the product or refund of the purchase price. Labor, or cost of labor, and other consequential damages are hereby excluded.

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