ANCHOR
ANCHORED FOR WEAR
DURABLE PROTECTIVE COATINGS

Product Data Sheet

Mira-Brite Hi-Temp Silicone Aluminum – 1007

Product Description

All heat resistant finishes manufactured by Anchor Paint are formulated with a pure silicone resin modified with an acrylic to provide room temperature drying. The pure silicones are the only resins known that will withstand the shock of being immediately hot then cold. Hi-Temp silicones air dry rapidly, but remain soft until heat cured.

Where to Use

This product is typically used on smokestacks, furnaces, pipes, etc. where temperature ranges from 450°F to 1200°F.

Product Characteristics

Color Aluminum

Gloss Metallic

Architectural and Industrial Maintenance Category High Temperature Coatings

Drying Time

Temperature	To Touch	To Recoat
75°F / 55% R.H.	20 Minutes	Overnight or bake at 350°F for 2 Hours

(Cooler temperatures and higher humidity will lengthen drying time)

Preparation & Priming

Surface Preparation Note: Maximum temperature resistance will require maximum surface preparation in accordance with SSPC-SP6 and direct to metal application. For temperatures less than maximum, appropriate cleaning for the level desired and primer selected will be necessary (refer to applicable primer data sheet for details). If the surface preparation given here is not feasible, mechanical and hand clean in accordance with SSPC-SP2; however, less than optimum performance should be expected. The surface must be dry and free of all dirt, grease, oil, or other foreign matter as well as failing paint and rust.

Finish Coats Cat-0-Zinc 55 up to 600°F or Cat-0-Zinc 93 up to 750°F; or direct to blast cleaned metal for maximum temperature resistance. Consult your Anchor representative for specific job recommendations.

Mixing & Application

Mixing Stir thoroughly, making sure no pigment remains on the bottom of the can.

Surface Temperature Minimum 40°F - The surface should be dry and the relative humidity should be no greater than 85%.

Recommended Thickness 1.0-1.5 mils dry per coat

Theoretical Coverage 448 ft^2/gal at 1 mil dry, assuming no application losses. Coverage will vary depending on application technique, porosity and design of the substrate.

Coverage Rates per Coat

#	Dry Mils	Wet Mils	Ft^2/gal
Suggested	1.3	4.6	345
Minimum	1.1	3.9	408
Maximum	2.5	5.4	267

Application Equipment

Airless Spray	Pressure	1200-2200 psi
	Tip	0.011"-0.015"
Conventional Spray	Air Pressure	60-80 psi
	Fluid Pressure	10-20 psi
Roller	Use 1/4" synthetic nap covers.	
Brush	Use high quality natural china bristle brushes.	

Application Considerations Spray preferred, brushing and roller compromises the aesthetics of the finish. Touch up using same method as original application. Best if field applied at site of service due to soft nature of coating prior to heat curing. This coating requires heat curing for maximum durability and heat resistance to contaminants and weather. Normally allow coating to air dry for one hour prior to baking for two hours at 350°F. Apply in wet coats, overlapping each pass 50%.

Technical Information

Solids by Volume	27.98%
AIM Category VOC Limit	5.4 lb/gal (650 g/l)
Coating VOC	5.06 lb/gal (606 g/l)
Density	8.48 lb/gal (938 g/l)
Packaging	5 Gallon pails and 1 Gallon cans
Physical Properties	Alkalis: Fair Acids: Fair Water: Good

Clean-up & Storage

Cleanup	Use Anchor #J1131 synthetic thinner
Storage Temperature	Minimum 20°F Maximum 110°F
Shelf Life	Under Normal Conditions (Unopened) – Two Years

Safety & Important Information

DANGER! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE IRRITATION. CONTAINS: XYLENE, ETHYLBENZENE, MINERAL SPIRITS AND TOLUENE. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. My be harmful if absorbed through skin. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources or ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.