



# HIGH HEAT RESISTANT ALUMINUM

## 62-AY-1

Silicone Aluminum



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| <b>PRODUCT DESCRIPTION</b>    |
| <b>TYPICAL USES</b>           |
| <b>PRODUCT ADVANTAGES</b>     |
| <b>COLORS</b>                 |
| <b>GLOSS</b>                  |
| <b>PHYSICAL CONSTANTS</b>     |
| <b>APPLICATION</b>            |
| <b>SHIPPING &amp; STORAGE</b> |

**A single component aluminum coating formulated with metallic aluminum and silicone resins to withstand very high temperatures. Lead and chromate free.**

For industrial and commercial use on uninsulated stacks, boiler fronts, kilns, and other hot metal surfaces requiring very high heat resistance.

HIGH HEAT RESISTANT ALUMINUM offers excellent protection against weather and fumes in exposures including mild industrial and marine environments. Brilliant finish with good weathering characteristics in exterior exposures. Provides heat resistance up to 1000°F. Lead and chromate free.

Aluminum

Eggshell

**Nonvolatile -** By weight - 53.1 ± 1.0%  
By volume - 38.2 ± 1.0%

**VOC (Calculated) -** 4.38 lbs./gal.  
525 grams/liter

**Flash Point -** 73°F (Setaflash)

**Weight per gallon -** 9.3 ± 0.2 lbs.

**Recommended Film Thickness -** 1.5 mils dry, 3.9 mils wet

**Theoretical Coverage @ 1.5 mils dry -** 409 sq. ft./gal.

**Method -** Brush, roll, conventional or airless spray.

**Thinner -** Tec Thinner 75-11 or Xylene 75-15

**Dry time @ 75°F -** To touch - 1 hours

To handle - 4 hours

To recoat - See Topcoating on back page.

Note: Must be heat cured for one hour at 400°F for maximum durability.

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|------------------------------|---------------|---------------|
| <b>Consists of -</b>         | 1 Gallon Unit | 5 Gallon Unit |
| <b>Unit Shipping Weight-</b> | 11 lbs.       | 50 lbs.       |

**Shelf Life -** 12 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter).

## APPLICATION INSTRUCTIONS

Consult your Mobile Paint Representative for the protective coating system best suited for your requirements.

**Limitations:** Apply in good weather when air and surface temperature are between 50°-125°F and surface temperature is at least 5°F above the dew point. For optimum application properties, material should be between 70 to 100°F prior to mixing and application. Maintain unmixed material in closed containers in protected storage at 40 - 100°F. For maximum durability, heat cure at a minimum of 400°F for one hour.

**Surface Preparation:** Good surface preparation is essential to a satisfactory coating system. Surfaces to be coated should be clean, cool and dry. Must be applied to abrasive blasted steel. Proper blast media and blasting equipment shall be used to produce an average profile depth of 1.5 mils minimum. Do not reuse abrasive media. Remove blasting dust and grit from surfaces before painting. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs.

**New or Unfinished Surfaces - Ferrous Metal:** "Near-White Blast Cleaning" (SSPC-SP10) is recommended for best performance. "Commercial Blast Cleaning" (SSPC-SP6) should be considered minimum for exterior exposure.

**Mixing:** This is a one component coating. Always mix thoroughly with a power agitator before application.

**Thinning:** This product is supplied at normal brushing viscosity. If thinning is necessary thin up to 1/2 pint per gallon with Tec Thinner 75-11 for brush or roller. Thin up to 1/2 pint per gallon with Xylene 75-15 for spray.

**Application:** Apply by brush, roller, conventional or airless spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper film thickness. Apply at 3.9 mils wet film thickness which will yield 1.5 mils dry film thickness. Two coats recommended for best results.

**Topcoating:** Allow 24 hours drying time at 75°F before recoating. Lower temperatures can extend this recoat time. Do not exceed the recommended film thicknesses. To avoid intercoat adhesion problems, do not heat cure prior to recoating.

**Equipment:** Brush - Use a good quality bristle brush. Roller - All purpose, good quality roller with 3/8" nap maximum. Conventional spray - For suction feed, use DeVilbiss MBC gun with E tip and needle and 30 air cap or equivalent at 40-45 psi atomizing pressure. For pressure feed, use DeVilbiss MBC gun with E tip and needle and 704 air cap or equivalent at 40-45 psi atomizing pressure and 5-8 psi fluid pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Airless Spray - Minimum of 28:1 ratio pump, .011"-.013" tip, 1/4" ID material hose.

**Cleanup:** Clean all equipment immediately after use with Tec Thinner 75-11 or Xylene 75-15. Completely flush all spray equipment with either of these solvents. Occasional flushing of spray equipment during the course of the working day helps prevent buildup and possible clogging.

**Safety:** Safe storage, handling and use dictate that adequate health and safety precautions be observed with this product and any recommended thinners. User is specifically directed to consult the current Material Safety Data Sheet for this product as well as precautions contained on product labeling.

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### LIMITED WARRANTY

The successful performance of this product is highly dependent on many factors beyond our control. Results are highly dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Mobile Paint warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Mobile Paint will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Mobile Paint and its affiliates **MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.** The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.