

Made in the USA

# AR-1000

ANTI-CORROSION



## Single Stage Anti-Corrosive Primer/Topcoat



### **Ideal protection for all ferrous metals WILL NOT UNDERCUT IF DAMAGED**

AR-1000 is a multi-purpose 1 part aluminum-impregnated, urethane coating that STOPS corrosion from progressing. This versatile product may be used as either a primer or a finish top coat. The neutral silver/grey finish ages to an anodized looking grey/green patina. Also available as a clear coat.

#### **Product Characteristics:**

- ▶ Exceptional anti-rust capabilities. As AR-1000 cures, it chelates to the surface of the metal removing the oxygen. Then encapsulates it preventing any moisture from reaching the surface, stopping rust in its tracks and preventing any further rusting.
- ▶ Exceptional adhesion to de-scaled rusted surfaces, sanding to bare metal is not required.
- ▶ This extremely slick product is also chemical, acid and base resistant.
- ▶ Low flash point
- ▶ 100% Hydrophobic and Icephobic when cured.
- ▶ 100% efficiency is achieved with an application of a 3.0 mil dry coating.
- ▶ Effective temperature range is from -30F to 450F.
- ▶ May be topcoated within 2-4 hours of first application.

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## Coating Specs:

### Mixing

Mix well to disperse aluminum throughout. Stir occasionally to maintain dispersion of aluminum.

### Cure

This product cures from the inside out to the surface. Full cure occurs in 24 to 48 hours at 68F.

### Surface Preparation

May be applied on new or rusted ferrous metal. Surfaces should be free of all moisture, oils, solvents, dust, rust, or any loose scale.

### Application & Coverage

AR-1000 sets to the touch in approximately 30 minutes. Additional coats of AR-1000 may be applied at 30-60 minute intervals. A final top coat may be applied over this product ONLY AFTER A 1 HOUR CURE HAS TAKEN PLACE AND PRIOR TO 4 HOURS AFTER AR-1000 IS APPLIED.

Application by airless sprayer or air assisted spray only. A high quality, fine bristle brush may be used for small areas.

100% efficiency is achieved with an application of a 6.0 mils wet drying to a 3 mil dry film. Multiple coats will be required to achieve the proper build.

300 square foot coverage per gallon at 3.0 dry mils.

Tool clean-up with mineral spirits or MEK when AR-1000 is still liquid.

### Protective Measures

Surface protection: Mask with tape, paper, and plastic as with lacquer paints.

The use of protective clothing (suit and hood, rubber gloves and safety glasses) as well as a NIOSH approved respirator suited for solvent based paints is required.

**MSDS Sheets may be found on our web site: [www.ksginnovations.com](http://www.ksginnovations.com)**

**Available From:**

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