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## A Aerosol

### Convenient Aerosol-Can of Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)

A Aerosol is a fast-drying, solvent-based, easy-to-use aerosol spray can that allows easy application of Aluminum Oxide to most any substrate for use in any atmosphere. Thus, the aerosol can provides the great properties of Al<sub>2</sub>O<sub>3</sub> in an easy-to-use/test manner – low electrical conductivity; moderately-high thermal conductivity; good refractoriness and resistance to molten metals.

#### Key Attributes

##### Anti-stick/Anti-reaction/Barrier Coating

- Metal Melting/Casting:crucible/mold coatings
- Powder-metallurgy ... sintering

##### Low Electrical Conductivity

##### Moderately High Thermal Conductivity

#### Ideal Use

- Metal melting/casting
- Separator layer with sintering

#### Use Notes

1. Clean surfaces to be painted of any oils dirt, scale, etc.
2. Shake can until mixing ball is heard & for 1 minute more
3. Hold can 6 to 12 inches from surface & apply thin/uniform coating using even movements
4. Allow to dry for 1 to 2 minutes and respray as needed

#### Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For industrial use only.



#### Specifications

Active Ingredient	Al <sub>2</sub> O <sub>3</sub>
Max Use Temperature	
Air/Inert/Vac, without C present	3272 F / 1800 C
Vac, with C present	2732 F / 1500 C
Use Atmosphere	All
Fired Composition (Air@700 C)	98% Al <sub>2</sub> O <sub>3</sub>
Liquid Carrier	Ethyl Alcohol/Acetone
Gas Propellant	Propane/Butane
Binder Phase	Magnesium Silicate
Color	White
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /aerosol-can)	30-50
H F R Ratings	2-4-0
Substrate Use	All
Other:	Nearly water insoluble after drying

#### Sizes and colors

Product is white:  
 will gray out on first heat up to 700 C due to small amount of organic binder

Standard Size: 13 oz. (369 grams) can  
 Can be purchased as bulk paint with the same formula: A Aerosol Brushable.

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