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Boron Nitride Aerosol Lubricoat®

Convenient Aerosol-Can of Boron Nitride (BN)

BN Aerosol Lubricoat® is a convenient aerosol can for applying thin, uniform, quick-drying layers of BN onto most any substrate. The aerosol can allows the creation of a dry-film-lubricant and provides the great properties of BN in an easy-to-use/test manner – low electrical conduction; high thermal conduction (like stainless); prevent reactions/interactions between materials; superior release/nonwetting.



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 C Inert 3272 F / 1800 C
Use Atmosphere	All
Fired Composition (Air@700 C)	97% BN
Liquid Carrier	Ethyl Alcohol/Acetone
Gas Propellant	Propane/Butane
Binder Phase	Magnesium Silicate
Color	White
Shelf Life (months)	>12
Coverage (ft ² /aerosol-can)	30-50
H F R Ratings	2-4-0
Substrate Use	All
Other:	Nearly water insoluble after drying Can be used at cryogenic temperatures

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

Key Attributes

Anti-stick:

- Molten Al, Mg, & Zn
- Hot-Pressing
- Glass Forming
- Weld Spatter
- Braze Stop-Off

High-temperature Lubrication:

- Extrusion
- Superplastic Forming
- Stops galling
- Dry-Film Lubricant (DFL)

Ideal Use

- Reducing Friction
- Providing Release
- Barrier Layer

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

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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