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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.

#### 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



#### Specifications

|   |  |
|---|--|
| Active Ingredient                       | BN   |
| Max Use Temperature                     | Air 1832 F / 1000 C<br>Vac 2552 F / 1400 C<br>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 <sup>2</sup> /aerosol-can) | 30-50  |
| H F R Ratings                           | 2-4-0  |
| Substrate Use                           | All  |
| Other:                                  | Nearly water insoluble after drying<br>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.

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