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## White Silk

### White Silk Boron Nitride -- Convenient/Economical Aerosol-Can

White Silk Boron Nitride is an aerosol spray can that is ideal for applying a thin BN layer to act as a protective barrier layer to prevent diamond-matrix or metal-bond-powder from sticking to or reacting with graphite molds /plungers /punches at temperatures to >1100 C (>2012 F). For other uses, White Silk is great for spraying thin BN layers for most any purpose.

#### Key Attributes

- Fast Drying, Solvent Based, Easy-to-Use
- Ideal for Diamond-Drill-Bit Manufacturing

#### Ideal Use

- Barrier Layer with Graphite
- Anti-Stick/Anti-Sieze
- Providing Release
- "Dry Film" Lubricant

#### 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 vapors.
- For Industrial use only.



#### Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2550 F / 1400 C Inert 3272 F / 1800 C
Use Atmosphere	All
Fired Composition (Air@700 C)	97% BN
Liquid Carrier	Ethanol/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 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

#### CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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