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

White Silk Boron Nitride is an aerosol spray can ... with a little less “loading” than our regular BN Aerosol. White Silk 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
- Provides Economical, Teflon®-like High Temperature Release
- 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 (ft²/aerosol-can): 30-50
- H FR 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