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# Boron Nitride Lubricoat® NFN-12

## Nonflammable-solvent based paint utilizing <100 nanometer BN particles

ZYP Coating's Boron Nitride Lubricoat NFN-12 is an easily applied, non-aqueous, nonflammable-solvent based coating. The coating contains very unique Boron Nitride that is less than 100 nanometers. BN Lubricoat NFN-12 is usable to 1000 C (1832 F) in air.

### Key Attributes

- Nonflammable-Solvent Based Paint
- Unique active ingredient Boron Nitride less than 100 nanometers
- Usable to 1000 C or higher in all atmospheres
- Applies like house paint

### Ideal Use

- Reducing Friction
- Providing Release
- Barrier Layer

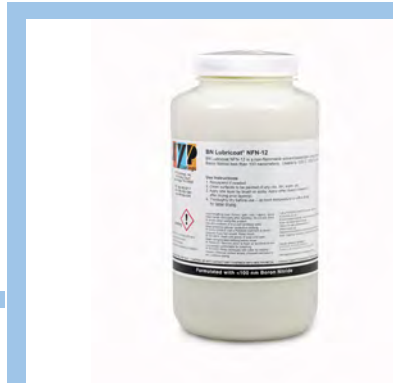
### Use Notes

1. Resuspend if needed.
2. Clean surfaces to be painted of any oils dirt, scale, etc.
3. Apply one thin layer by brush, dip or air-spray. If using more layers, dry between them.
4. Dry thoroughly before use, at room temperature for about 90 minutes or, for faster drying, with a lab dryer or conventional hair dryer at around 60 C (140 F) for 5-15 minutes.

Note: Wagner Control Spray 250 Handheld HVLP Paint Sprayer works well.

### Safety Information

- Consult SDS before use.
- Avoid breathing of vapors.
- For Industrial use only.



### Specifications

Active Ingredient	BN, <100 nm
Max Use Temperature	Air 1832 F / 1000 C Vac 2550 F / 1400 C Inert 3272 F / 1800 C
Use Atmosphere	All
Fired Composition (Air@800 C)	>94% BN
Liquid Carrier	Nonflammable solvent mix
Binder Phase	Magnesium Silicate
Brookfield Viscosity (cps)	<66 @2/60
Specific Gravity	1.2
Color	White
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal.)	100-400
H F R Ratings	1-0-1
Substrate Use	All
Other:	Nearly water insoluble after drying Can be used at cryogenic temperatures Can use NFN-12 Thinner for diluting or cleanup

### Sizes and colors

Product is white:  
(will gray-out on first heat up due to small amount of organic binder)

Standard Size: Nalgene quart or gallon

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

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