



120 Valley Court  
 Oak Ridge, TN 37830  
 Ph: 865-482-5717  
 FAX: 865-482-1281  
 zypcoatings.com

## BN Lubricoat® ZSB

### Our Highest Loading, Lowest Viscosity Boron Nitride Coating

BN Lubricoat ZSB was developed to have a very-high loading of Boron Nitride while having a very-low viscosity and particle refinement which enables a very consistent, uniform coating to be applied.

BN Lubricoat ZSB is ready-to-use as is or can be diluted further with water if desired. However, with its high BN loading and low viscosity, ZSB is ideal for dip-coating parts.

#### Key Attributes

- Very stable/uniform low viscosity
- Superior consistency of coated parts
- Provides/nonwetting, non-stick, release, lubrication and all the properties of BN
- Can be used as is or diluted with water
- Water-based, safe and easy-to-clean-up

#### Ideal Use

- Dip or spray coating of parts
- Coating all molten Aluminum transport components
- Coating ceramics, metals, graphite and composite materials and molds for release/lubrication

#### Use Notes

1. Resuspend the paint, if needed.
2. Clean surface of oil, dirt, scale etc.
3. Apply one thin layer by brushing, air-spray, or dipping. Apply other layers if needed - after drying prior layer.
4. Thoroughly dry before use.

#### Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For industrial use only.
- Avoid Freezing



#### Specifications

Active Ingredients	Boron Nitride
Max Use Temperature	Air = 1000 C; Vac = 1400 C; Inert = 1800+ C
Use Atmosphere	All
Fired Composition	>85% BN
Liquid Carrier	Water
Binder Phase	Al <sub>2</sub> O <sub>3</sub>
BN Level	Fully Loaded
Brookfield Viscosity (cps)	65-130 cps at Spindle/Speed
3/60	
Specific Gravity	1.24
Color	White
Shelf Life (months)	>12
Coverage	To 400 sq.ft. per gallon [10 sq.m. per liter]
Coating pH	3-4
H F R Ratings	1-0-0

#### Sizes and colors

BN Lubricoat ZSB is white  
 Standard Sizes: 1 gallon pail and 5 gallon pail

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

ZYP Coatings, Inc. (ZYP) makes no warranties, express or implied, including the warranty of merchantability or fitness for a particular service. Product is for industrial/commercial use only. Users should determine suitability for their use. In no event will ZYP be liable for any direct, indirect, incidental, special or consequential damages or losses including, but not limited to loss of profits, in any way related to this product regardless of the legal theory asserted.