



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

## Boron Nitride Lubriccoat®-ZV Boron Nitride Lubriccoat-Blue®-ZV

### Relatively Abrasion-Resistant Non-Wetting Formulation

Boron Nitride Lubriccoat®-ZV is a relatively tough/abrasion-resistant coating that also provides excellent nonwetting with aluminium, magnesium, zinc and other nonferrous metals and alloys. The coating is designed to be diluted with water as desired. Due to having its pH-Basic/Alkaline the "ZV" is compatible with mild steel and cast iron substrates as well as ceramics.

#### Key Attributes

- Excellent Non-Wetting with Molten Aluminum, Magnesium, Zinc and Their Drosses--- Acts Like Teflon® to Molten Metal
- Hard Surface Lasts Longer and Reduces Maintenance, Increasing Operator Satisfaction
- Readily Dilutable to Any Level
- Applies Like Ordinary Housepaint
- Safe, Water-Based

#### Ideal Use

- All metal transport components.
- Whenever a diluted coating is desired.
- For dipping or applying thin coatings
- For applications that require a harder surface (i.e., components that move while in contact with molten metal).

#### Use Notes

1. Resuspend if needed.
2. Use full strength or dilute as desired with water. A common dilution is two parts water to one part paint.
3. Clean surfaces to be painted of any oils dirt, scale, etc.
4. Apply 1-3 layers by brush, dip, or spray like ordinary house paint, drying after each layer.
5. Allow to thoroughly dry before use.



#### Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F/1000 C Vac/Inert 2552 F/ 1400 C
Use Atmosphere	All
Fired Composition	>75% BN
Liquid Carrier	Water
Binder Phase	Amorphous Silica with stabilizer additions
Active Ingredient Level	Fully Loaded
Brookfield Viscosity (cps)	3100-3900 @4/60
Specific Gravity	1.2
Color	White, except when specified blue
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	100 to 400
Coating pH	8-9
H F R Ratings	1-0-0
Substrate Use	All

#### Sizes and colors

Standard Size: wide-mouth 1 gallon pail.  
Blue is a permanent ceramic pigment blue.

#### Safety Information

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

#### 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. Teflon® - reg. trademark of DuPont.