

BORON NITRIDE LUBRICOAT® ZV & BN LUBRICOAT BLUE® ZV



RELATIVELY HARD, HIGHLY DILUTABLE BORON NITRIDE COATING
PROVIDES NONWETTING WITH MOLTEN NONFERROUS METALS



USES

BN LUBRICOAT® ZV is formulated to allow dilution without degrading performance, and is often used for dipping parts and to form a relatively hard coating just on drying. Thus, BN LUBRICOAT® ZV is typically selected for applications that require a harder surface (i.e., components that move while in contact with molten metal).

SPECIFICATIONS

Powder Constituent	Boron Nitride (BN) >99% Purity
Binder Phase	Magnesium Silicate
Ready-to-Use Composition	
Percentage Solids	30-45%
Percentage Liquid Phase	55-70%
Liquid Carrier	Water
pH >7.5	
Brookfield Viscosity (cps)	850-1,300
Specific Gravity	1.20
Coverage	100-400 ft ²
Shelf Life	>1 year
Color	White, unless specified blue
Use Temperature	1400°C (2550°F) Reducing/Inert/Vacuum 1000°C (1800°F) Air
Substrate Use.....	Graphite, Metals, Ceramics, etc.

KEY ATTRIBUTES

- Corrosion resistant – totally protects surfaces from molten aluminum, magnesium, and their drosses
- Nonwetting – acts like Teflon® to molten metal
- Protects ceramics, metals and graphite
- Hard surface lasts longer and reduces maintenance, increasing operator satisfaction
- Readily dilutable to any level
- Applies like ordinary house paint
- Safe, water-based

APPLICATION

The paint can be used full strength or diluted as desired with water. A common dilution is two parts water to one part paint – excellent for coating metals or ceramics.

Dipping, air-spraying, or brushing can be used to attain thicknesses of up to 0.01" (10 mils).

Dry thoroughly and place into use. The BN LUBRICOAT® ZV is relatively hard after drying. Dry coating can be polished with soft cloth/towel.

NEVER CONTACT WET COATINGS WITH MOLTEN METAL.

Teflon® is a registered trademark of DuPont.

Boron Nitride Lubricat® and Boron Nitride Lubricat Blue® are registered trademarks of ZYP Coatings, Inc.

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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Product Type: 109

Commodity Code: 07002