



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

BN Lubricoat® ER

Ready-to-Use Non-Wetting Boron Nitride Formulation

BN Lubricoat ER is a ready-to-use, economical water-based Boron Nitride coating that works to provide true non-wetting performance with liquid metal transfer systems processing molten Aluminum and its alloys. Usable with all substrates and all atmospheres to 1000 C.

Key Attributes

- Non-wetting/non-sticking/non-reaction with molten Aluminum and its alloys/drosses
- Protects Ceramics, Metals, and Graphite
- Good Adherence to All Substrates
- Easily Applied Like Housepaint
- Water-Based, Safe, Easy to Clean Up

Ideal Use

- All Liquid-Metal Processing and Transport Components
- Barrier Layer Between Parts

Use Notes

1. Coating is generally non-settling. However, resuspend if needed. If desired, dilute with water.
2. Clean surfaces to be painted of any oils, dirt, scale, etc.
3. Apply one thin layer by brush, dip, or spray like ordinary house paint. If additional layers are applied, dry thoroughly between each layer.
4. Allow to thoroughly dry before use.

Safety Information

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



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F/1000 C
Liquid Carrier	Water
Binder Phase	Proprietary
Brookfield Viscosity	30 cps
Specific Gravity	1.03 g/cm ³
Color	Blue
Shelf Life (months)	>12
Coverage (ft ² /gal)	100 to 400
Coating pH	Near neutral
H F R Ratings	1-0-0
Substrate Use	All*

*If coating metal substrates, it is useful to roughen and thoroughly clean the surface before applying BN Lubricoat ER.

Sizes and colors

BN Lubricoat ER is a blue paint.
Standard size: 1 gallon pail

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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