



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

Levikote BN

Oil-Based, Lubricating Release Coating

Levikote BN is an oil-based, self-leveling coating. This coating provides the advantages of water-based coatings but does not 'skitter' when applied to hot/warm substrates – just levels out into a uniform, lubricating release coating. The chemically-inert Boron Nitride (BN) allows use up to 1000 C. Levikote BN is particularly useful for contact with reactive alloys and fluxes.

At room temperature, Levikote BN does not dry and gives a slick, oil-covered surface. Levikote BN provides an adherent, dry/protecting coating of ceramic phases (i.e., a dry-film-lubricant) after heating to around 200 C or 400 F for 8 hours or so. This dried coating is resistant and nonsticking/nonwetting with molten nonferrous metals. Additionally this coating can be applied to hot/warm surfaces at or above 200 C: however, if applied onto a surface that is too hot, the coating can drip similar to hot melted wax.

Whenever a release-coating is desired to not be water-based and/or to not be flammable-solvent-based, Levikote BN is a good choice.

Key Attributes

- Water-Miscible, Oil-Based Lubricant
- Nonwetting/Nonsticking with Reactive Molten Nonferrous Metals/Fluxes to 1000 C (1832 F)
- Contains Chemically Inert Boron Nitride
- Easy to apply

Ideal Use

- Transport/handling components used with reactive molten metal/fluxes
- Lubrication for belts, conveyers, chains, rollers, hinges/bolts/screws
- Sealing heater-cartridges

Use Notes

1. Resuspend if needed
2. Clean surfaces to be painted of any oils, dirt, scale, etc.
3. Apply with brush or air-spray at room temperature or to surfaces ≤ 200 C (392F). If ambient temperature applied, heat in dryer to 200 C for 8-10 hrs. to dry.
4. Cleanup with water.



Specifications

Active Ingredients	Boron Nitride
Max Use Temperature, All Atmospheres	1000 C (1832 F)
Liquid Carrier	Water Miscible Oil
Brookfield Viscosity (cps)	1100 @ 3/60
Specific Gravity	1.01
Color	White
Shelf Life (months)	>12
Coverage (ft ² /gal.)	100-400
H F R Ratings	1-1-0
Substrate Use	All

Sizes and colors

Levikote BN is a white colored paint.
Standard Size: 1 gallon pail

Safety Information

- Consult SDS before use.
- If heated, avoid breathing of 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.