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ZYP Boron Nitride Lubricoat Concentrate
ZYP Boron Nitride Lubricoat Concentrate Blue

Manufactured by ZYP exclusively for Pyrotek®

All Purpose Coating Concentrate

ZYP Boron Nitride Lubricoat® Concentrate is a proven release agent for high temperature use. BN Lubricoat Concentrate is ideal for providing true Teflon®-like non-wetting for all liquid metal transfer system components. Also, BN Lubricoat Concentrate is non-reactive and non-stick with glass, slags and fluxes. BN Lubricoat Concentrate can also be used as a non-stick agent for hot-pressing and glass-forming.

Key Attributes

- Totally non-wetted by molten aluminium, magnesium, zinc and their drosses
- Acts like Teflon® to molten metal
- Applies like house paint
- Protects ceramics, metals and graphite
- Water-based, free of solvents and volatile organic compounds (VOCs)
- Little maintenance required

Ideal Use

- Troughs
- Runners
- Auto-pour ladles
- Tubes
- Funnels
- Filter bowls, boxes
- Spouts
- Caster tips
- Dross press heads
- Braze stop-off
- Weld spatter release

Use Notes

1. Remove any oil, dirt, scale or other contaminants from the surface being coated.
2. Mix the coating thoroughly.
3. Apply by air-spraying, dip or brush.
4. Allow the coating to dry thoroughly before use.
5. Clean the coating application tools with water.



Specifications

Active Ingredient	Boron nitride
Maximum Use Temperature	Air 1000°C/1832°F Vacuum 1400°C/2552°F Inert 1800°C/3272°F
Use Atmosphere	All
Fired (Dried) Composition	85% boron nitride
Liquid Carrier	Water
Active Ingredient Level	Fully loaded
Specific Gravity	1.2
Colour	White, blue
Shelf Life	Typically 12-plus months
Coverage—m ² /gal (ft ² /gal)	9–37 (100–400)
Coating pH	2–3
Substrate Use	Graphite, ceramics, etc.
Dilution Ratio (water:coating)	2:1 maximum
Binder Phase	Al ₂ O ₃
H-F-R Safety Ratings	1-0-0
Brookfield Viscosity (cps) @3/60	900–1150

Sizes and Colours

Standard Size: Wide-mouth 3.8 litre (1 gallon) pail.

Also available in a 19 litre (5 gallon) pail upon request.

Safety Information

Prior to use, refer to the product safety data sheet for proper handling and required personal protective equipment.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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