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## ZYP Boron Nitride Lubricoat Gold

Manufactured by ZYP exclusively for Pyrotek®

### Boron Nitride Protective and Non-Stick Coating

ZYP Boron Nitride Lubricoat® Gold is an excellent general-use coating that provides Teflon®-like non-wetting behaviour for molten nonferrous metals. Metals and their drosses will not react, stick or adhere to the coated surface when this all-purpose coating is applied.

Lubricoat Gold can also be used in the glass industry as a non-reactive and non-stick coating compatible with glass chemistries, slags and fluxes. As a lubricant or non-stick agent, the coating is ideal for hot-pressing and glass forming.

Lubricoat Gold's colour serves a visual aid during the application process, assisting operators and supervisors to see where the coating has been applied. The coating also serves as a wear indicator identifying when to recoat.

#### Key Attributes

- Acts like Teflon® to molten metal
- Applies like house paint
- Contains no added fillers
- Protects ceramics, metals and graphite
- Non-wetting to aluminium, magnesium, zinc and other nonferrous metals and their drosses
- Water-based, free of solvents and volatile organic compounds
- Reduces refractory maintenance and extends life

#### Ideal Use

- Troughs
- AutoPour ladles
- Tubes
- Funnels and spouts
- Filter bowls and boxes
- Caster tips
- Dross press heads
- Braze stop-off
- Weld spatter release



#### Use Notes

1. Remove any oil, dirt, scale or other contaminants from the surfaces being coated.
2. Mix the coating thoroughly.
3. Apply by air-spraying 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
Fired (Dried) Composition	>85% Boron nitride
Active Ingredient Level	Fully loaded
Liquid Carrier	Water
Specific Gravity	1.12
Colour	Gold
Shelf Life	Typically 12-plus months
Coverage—m <sup>2</sup> /gal (ft <sup>2</sup> /gal)	9.3–37.2 (100–400)
Coating pH	2–3
Substrate Use	Graphite, metals, ceramics, etc.
Dilution Ratio (water:coating)	2:1 maximum
Binder Phase	Alumina
Brookfield Viscosity (cps) @3/60	900–1200
HFR Ratings	1-0-0
Substrate Use	All

#### 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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