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ZYP Boron Nitride Lubricoat EAS-12 White and Blue

Manufactured by ZYP exclusively for Pyrotek®

Total Non-Wetting Boron Nitride Protective Coating

ZYP Boron Nitride Lubricoat® EAS-12 is a coating with a mid-level loading of boron nitride that displays non-wetting characteristics with molten aluminium, magnesium and other non-ferrous metals and their drosses. It allows for smooth liquid flow, and an efficient transfer of molten metal while protecting essentially all ceramic liquid metal transfer components.

Key Attributes

- Acts like Teflon® to molten metal
- Applies like house paint
- Contains no added fillers
- Water-based, free of solvents and volatile organic compounds (VOCs)
- Contains an additive that eliminates the hard settling that occurs with diluted ZYP BN Lubricoat EAS-25
- Easy to dilute and clean up

Ideal Use

- Transition plates
- Basins
- Funnels and pouring spouts
- Gates
- Troughs
- Risers
- Runners
- Stalk tubes
- Tundishes

Use Notes

1. Remove any oil, dirt, scale or other contaminants from the surface being coated.
2. Mix the coating thoroughly.
3. Apply a thin, even layer of coating with a standard foam brush (the brush should be the width of the substrate). The coating should be applied in one quick pass.
4. Apply a second coat by repeating the previous step. The first coat doesn't have to be fully dry prior to the application of the second coat.
5. Allow the coating to dry thoroughly before use.
6. Clean the coating application tools with water.



Specifications

Active Ingredient	Boron nitride >99% purity
Maximum Use Temperature	Air 1000°C/1832°F Vacuum 1400°C/2552°F Inert 1800°C/3272°F
Fired (Dried) Composition	75–80% boron nitride 20–25% aluminium oxide
Liquid Carrier	Water
Specific Gravity	1.1
Colour	White, unless specified blue
Shelf Life	Typically 12-plus months
Coverage—m ² /gal (ft ² /gal)	9–37 (100–400)
Coating pH	>4
Substrate Use	Graphite, ceramics, etc.
Dilution Ratio (water:coating)	1:1 (maximum)
H-F-R Safety Ratings	1-0-0
Brookfield Viscosity (cps) @2/60	250–400
Ready-to-Use Composition	10–15% solids 85–90% liquid phase

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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