



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

ZYP Boron Nitride Releasecoat - 6 Blue
ZYP Boron Nitride Releasecoat - 6 White
Manufactured by ZYP exclusively for Pyrotek®

Protection from Molten Nonferrous Metal

ZYP Boron Nitride Releasecoat-6 Blue and White are non-wetting to molten nonferrous metals and their drosses. In addition to protecting general refractory, it provides excellent mould release and surface finish in permanent mould castings.

Releasecoat 6 Blue and White are formulated with a high level of binder which makes for a very durable coating.

Key Attributes

- Good release and lubrication of moulds
- Non-wetting to molten aluminium, magnesium and other nonferrous metals and their drosses, slags, fluxes and salts
- Excellent protection of metal, ceramic or graphite liquid-metal transfer components
- Applies like house paint
- Safe, water-based, no volatile organic compounds

Ideal Use

- Ingot moulds
- Troughs
- Permanent moulds
- Tools

Use Notes

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



Specifications

Active Ingredient	High-purity boron nitride >99%
Maximum Use Temperature	Air 1000°C/1832°F Vacuum 1400°C/2552°F Inert 1800°C/3272°F
Binder Phase	Magnesium Silicate
Liquid Carrier	Water
Specific Gravity	1.02
Colour	Blue White
Shelf Life	Typically 12-plus months
Coverage—m ² /gal (ft ² /gal)	19–56 (205–600)
Coating pH	8
H-F-R Ratings	1-0-0
Substrate Use	Compatible with all coatings/substrates
Dilution Ratio (water:coating)	1:1 maximum
Brookfield Viscosity (centipoise) @ 3/60	950–1350

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.

ZYP Coatings, Inc. (ZYP) and Pyrotek Inc. make 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 or Pyrotek 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. Pyrotek® is a registered trademark of Pyrotek Inc.