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Boron Nitride Releasecoat® Boron Nitride Releasecoat-Blue®

For Permanent Mold or Low Pressure Casting, Get Teflon®-like Mold Release

BN Releasecoat® is a relatively-soft, wash-coat-type of coating with a lower BN content which still provides excellent nonwetting and release with aluminum, magnesium, zinc and other nonferrous metals and alloys.

Key Attributes

- Perfect for top-coating over thermal insulating coatings.
- Provides “cosmetic”/mirror-like surface finish with excellent mold release
- Ideal for low-draft, high-drag regions for wheel casting
- Easily applied by air spraying on to hot or cold molds
- Readily touch up molds while hot
- Safe, water-based

Ideal Use

- Permanent Molds
- Low Pressure or Gravity Die casting

Use Notes

1. Resuspend if needed. Can dilute with water.
2. Clean surfaces to be painted of any oils dirt, scale, etc.
3. Apply 1-3 layers by brush or spray like ordinary house paint, drying after each layer
4. Allow to dry thoroughly at room temperature before use.

Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 C Inert 3272 F / 1800 C
Use Atmosphere	All
Fired Composition	>85% BN
Liquid Carrier	Water
Binder Phase	Magnesium Silicate
Active Ingredient Level	Low Loading
Brookfield Viscosity (cps)	300-500 @2/60
Specific Gravity	1
Color	White, except when specified blue
Shelf Life (months)	>12
Coverage (ft ² /gal)	100 to 400
Coating pH	7-8
H F R Ratings	1-0-0
Substrate Use	All

Sizes and colors

BN Releasecoat is a white colored paint.
BN Releasecoat-Blue is a blue colored paint that may offer better visibility.

Standard Size: wide-mouth 1 gallon pail.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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