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## Boron Nitride Releasecoat®-PM

### Fully-Loaded Boron Nitride Paint/Paste For Permanent Mold or Low Pressure Casting

BN Releasecoat-PM is a “concentrate” that is fully-loaded with Boron Nitride. PM provides a thick, dilutable paint/paste, such that it can be made to almost any consistency or viscosity by merely adding water. PM concentrate saves on shipping costs. Typical dilution is 2 parts water to 1 part concentrate. When diluted PM is a relatively-soft, washcoat-type of coating. BN Releasecoat-PM 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
- Safe, water-based

#### Ideal Use

- Permanent Molds
- Low Pressure or Gravity Die casting

#### Use Notes

1. Resuspend if needed. Dilute with water to desired consistency & viscosity .
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 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	Fully Loaded
Brookfield Viscosity (cps)	22,000-37,000 @4/12
Specific Gravity	1.1
Color	White
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	100 to 400
Coating pH	7-8
H F R Ratings	1-0-0
Substrate Use	All

#### Sizes and colors

BN Releasecoat-PM is a white colored paint/paste.

Standard Size: wide-mouth 1 gallon pail.

#### CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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