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## BN Type M

### A Moderate-loading Boron Nitride Releasecoat Of Near-neutral pH

BN Type M has been developed as a water-based coating with moderate loading of Boron Nitride (BN) that exhibits good paintability onto any substrates. BN Type M provides non-stick, non-wetting with molten aluminum and its alloys and drosses. The paint is not deteriorated by freezing.

BN Type M is ready-to-use or can be diluted with water if needed. When diluted, Type M is a relatively-soft, washcoat-type coating that prevents reactions/interactions/sticking with molten metal.

#### Key Attributes

- Consistency of coated parts release and lubrication of molds
- Provides nonwetting, non-stick, release, lubrication and all the properties of BN
- Can be used as is or diluted with water as desired.
- Water-based, safe and easy-to-clean-up
- Not deteriorated by freezing

#### 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	Medium Loading
Brookfield Viscosity (cps)	850-1175 @3/60
Specific Gravity	1.03
Color	Blue
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 Type M is a blue colored paint. Also available as white paint

Standard Size: wide-mouth 1 gallon pail or 5 gallon pail

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

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