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.

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**BN Type M**

BN Type M is a blue colored paint. Also available as white paint.

**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 (ft²/gal): 100 to 400
- Coating pH: 7-8
- H F R Ratings: 1-0-0
- Substrate Use: All

**Sizes and colors**

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

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

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