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BNW Paste (Boron Nitride)

Non-corrosive, Near-neutral-pH Paste Of Boron Nitride

BNW is a near-neutral-pH paste/concentrate that can be applied in thick layers or diluted with water to yield relatively-soft, washcoat-type of coating (i.e., a release coating) which still provides excellent nonwetting and release with aluminum, magnesium, zinc and other nonferrous metals and alloys. Has no outgassing other than water when heated.

Key Attributes

- Can be applied by troweling as well as brushing ... or diluted to use for air-spraying or dipping.
- Use "as-is" as a trowelable paste or dilute with water at a 2:1 water-to-paste or even greater level to make a great BN release coating
- Release coating can be used as a top coating over thermal insulating coatings to give mirror-like finishes and excellent mold release
- Ideal for use on mild steel, cast iron, and all acidic-pH-sensitive materials
- Totally non-wetted by molten aluminum, magnesium, zinc and their drosses
- Safe, water-based

Ideal Use

- Permanent Molds
- Barrier Layer
- Filling gaps/holes
- Ring Seal (when diluted)

Use Notes

1. Resuspend if needed. Can dilute highly with water.
2. Clean surfaces to be painted of any oils dirt, scale, etc.
3. Apply 1 layer if troweling. Dilute with water to air-spray. Dry after applying each layer.
4. Allow to dry thoroughly before use.



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 Inert 3272 F / 1800
Use Atmosphere	All
Fired Composition	>92% BN
Liquid Carrier	Water
Binder Phase	Magnesium Silicate
Active Ingredient Level	Fully Loaded
Brookfield Viscosity (cps)	7000-9600 @4/60
Specific Gravity	1.15
Color	White
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

BNW Paste is white colored.
 Standard Size: wide-mouth 1 gallon pail.

Safety Information

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

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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