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## BN ReadyRelease Sprayable

### Release Coating of Boron Nitride

BN ReadyRelease Sprayable is an economical water-based, pre-diluted (ready-to-use) sprayable washcoating of Boron Nitride (BN). This coating is nearly neutral pH with minimal settling and has blue tint for visibility on ceramic surfaces. BN ReadyRelease Sprayable can be applied with simple hand-pump sprayers as well as very economical spray guns used for housepaints.

BN ReadyRelease Sprayable is usable on all substrates and with all atmospheres to 1000 C.

#### Key Attributes

- Pre-diluted for allowing the coating to be readily sprayed with hand-pump garden sprayers (Example: PetraTools HD101 manual pump sprayer) as well as the economical sprayers for housepaints (Example: Wagner Control Spray 250)
- A thin coating provides non-wetting/non-reaction with molten Aluminum and its alloys/drosses
- Use temperature to 1000 C in all atmospheres and usable for all substrates
- Water-based, easy-to-use and cleanup

#### Ideal Use

- Very economical BN-based, ready-to-use nonwetting coating; pre-diluted to ensure uniformity and performance
- For any liquid metal processing and transport systems

#### Use Notes

1. Clean surfaces to be painted of any oils, dirt, scale, etc.
2. Re-suspend until uniform - allows minimal settling during use.
3. Spray with economical sprayers (hand-pump garden type; economical housepaint type; or any typical spray unit). In-line filters need to be removed. Note that hand-pump sprayers will need to be pumped up as the coating deposition begins to get non-uniform as the pressure decreases at some point.
4. Allow to thoroughly dry before use.



#### Specifications

Active Ingredient	BN
Max Use Temperature	Air 1000 C (1832 F)
	Vac/Inert circa 1300 C (2372 F)
Use Atmosphere	All
Fired Composition	>78% BN
Liquid Carrier	Water
Binder Phase	Proprietary
Brookfield Viscosity (cps)	85-125 @2/60
Specific Gravity	1.0
Color	Blue
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	>= 200
Coating pH	7
H F R Ratings	1-0-0
Substrate Use	All

#### Sizes and colors

BN ReadyRelease Sprayable is a blue paint.  
 Standard size: 1 gallon and 5 gallon pail

#### Safety Information

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

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

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