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# Boron Nitride Cera Dip

## Unique Dippable Hardcoat Formulation

Boron Nitride Cera Dip has been designed for dipping application onto most any surface. A thin, uniform, erosion-resistant coating can be easily applied to yield nonwetting with nonferrous metals/alloys/drosses. BN Cera Dip can be applied by brushing, roller-coating, air-spraying etc. but is designed for dipping. Upon drying at 80 C, the coating is water-insoluble. BN Cera Dip uses an "environmentally green" polymer that gives optimum coating uniformity with no worrisome outgassing. It can be applied to ambient or heated surfaces.

### Key Attributes

- Good for Metal and Ceramic Surfaces
- Alkaline/Basic-pH Formula like house paint
- Non-Wetted by Molten nonferrous metals/alloys/drosses
- Easily Applied by DIPPING and other methods
- Safe, Water-Based coating
- Water-Dilutable as needed with some reduction in performance.

### Ideal Use

- Ladles
- Liners & Skimmers
- Pour Cups
- Sampling Spoons
- Funnels
- Control Pins & Spouts
- Thermocouple Protection Tubes
- Stalk Tubes & Immersion Tubes
- Metal Molds & Troughs
- Any Molten Metal Transport Component

### Use Notes

1. Resuspend the paint to uniform constituency
2. Clean surface of oils, dirt, scale etc.
3. Dip coat the part and "sling" off the excess or vibrate it off with a lab-vibrator table into a catch basin.
4. Hang/suspend the part and allow to thoroughly dry between coats and before use.
5. If water-insolubility is desired, dry the part at 80 C for 30 minutes.



### Specifications

Active Ingredient	BN
Max Use Temperature	Air/Vac/Inert 1652 F/ 900 C
Use Atmosphere	All
Fired Composition	>40% BN
Liquid Carrier	Water
Binder Phase	Potassium Silicate
Active Ingredient Level	Medium Loading
Brookfield Viscosity (cps)	60 @2/60
Specific Gravity	1.27
Color	Gray
Shelf Life (months)	>12
Coverage (ft2/gal)	100-400
Coating pH	9-10
H F R Ratings	1-0-0
Substrate Use	All

### Safety and Handling Information

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

### Sizes and colors

Standard Size: wide-mouth 1 gallon pail.  
BN Cera Dip is a gray colored paint; turns white when heated >1292 F/700 C.

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

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