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Boron Nitride Hardcoat®-CM

Unique Abrasion-Resistant Formulation

Boron Nitride Hardcoat®-CM is the same “fired” constituency as our original tough/abrasion-resistant boron nitride coating ... except the “CM” version contains NO acrylics. BN-Hardcoat - CM is non-wetting with molten aluminum, magnesium, zinc and other non-ferrous metals and their drosses. Ideal for high-wear uses where all other boron nitride coatings fail. Can be applied to hot substrates, whereas the original BN Hardcoat should ONLY be applied and dried at room temperature or below 80 C.

Key Attributes

- Minimal Outgassing (Mostly H₂O) on Heatup
- Contains NO Acrylics
- Same “Fired” Constituency as “regular” BN Hardcoat
- Non-Corrosive to Mild Steel & Cast Iron
- Alkaline/Basic-pH Formula
- Non-Wetted by Molten Aluminum, Magnesium, Zinc and their Drosses
- Applied like House Paint
- Safe, Water-Based, No VOCs

Ideal Use

- Immersion Tubes
- Metal Troughs, Molds
- Ladles, Skimmers
- Dross Buggies
- Shot Screens
- Stalk Tubes
- Funnels

Use Notes

1. DO NOT DILUTE.
2. Resuspend the paint.
3. Clean surface of oils, dirt, scale etc.
4. Apply 1 to 2 thin layers by brush or spray.
5. Allow to thoroughly dry between coats and before use.

Safety and Handling Information

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



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)	135-515 @3/60
Specific Gravity	1.29
Color	Gray
Shelf Life (months)	>12
Coverage (ft ² /gal)	100-400
Coating pH	8-9
H F R Ratings	1-0-0
Substrate Use	All

Sizes and colors

Standard Size: wide-mouth 1 gallon pail.
BN Hardcoat-CM 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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