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Supercoat® W with BN

Water-based Supercoat with Boron Nitride

Supercoat W with BN has all the properties of water-based Supercoat W but has Boron Nitride added to provide all of its special lubricating and non-wetting properties. The coating is ideal for application onto Fe-Cr-Ni metal surfaces. After applying and drying, Supercoat W with BN also requires a one-time "bake-on" to 800-850 C. after which a well-bonded tough/flexible, electrically insulating coating results.

Key Attributes

- Flexible, Enamel-like Supercoat for Fe-Cr-Ni alloys
- Non-wetting/non-stick with molten nonferrous alloys
- Long lasting, abrasion-resistant Boron Nitride coating
- Electrically insulating

Ideal Uses

- Molten metal transport and processing components
- Protection of metals from corrosion/attack
- Thermocouple sheaths
- Ladles and skimmers
- Weld spatter release
- Molds

Use Notes

1. Resuspend the coating.
2. Clean surfaces to be painted of any oils, dirt, scale, etc. Light surface roughening can improve adherence.
3. Apply single layer by brush, dip or air spray.
4. Allow to dry thoroughly at room temperature. Can optionally dry in drier at 60 C for 10 minutes or so.
5. One-time "Bake-on": Heat the dried/coated part to 800-850 C for ½ to 1 hr. to "set" Supercoat. Coating will be light gray.

Safety Information

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



Specifications

Active Ingredient	Mixed oxides, BN
Max Use Temperature after "Bake-on"	
Air/Inert/Vac	1562 F/ 850 C
Use Atmosphere	All
Fired Composition	BN(>30%), Mixed Oxides
Liquid Carrier	Water
Binder Phase	Mixed Oxides
Brookfield Viscosity (cps)	200 @3/60
Specific Gravity	1.04
Color	White
Shelf Life (months)	>12
Coverage (ft ² /gal.)	100-400
Coating pH	4-6
H F R Ratings	1-0-0
Substrate Use	Fe-Cr-Ni Alloys & Cr-Ni containing metals

Other: Requires one-time "Bake-on" after applying and drying: heat to 800-850 C for ½ to 1 hr.

Sizes and colors

Product is white
Standard Sizes: 1 gallon Nalgene container
1 quart Nalgene container

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