



120 Valley Court
Oak Ridge, TN 37830
Ph: 865-482-5717
FAX: 865-482-1281
zypcoatings.com

Supercoat® S with BN

Solvent-based coating with Boron Nitride

ZYP Coating's Supercoat S with BN is modified to allow fast drying when applied by brushing, dipping, or spraying. When applied and dried onto Iron-Chrome-Nickel alloys such as Stainless Steel, a one-time "bake-on" at 800-850 C is required. The result is a tough, flexible Supercoat that has the special lubricating and non-wetting properties of Boron Nitride.

Key Attributes

- Enamel-like Supercoat for Fe-Cr-Ni alloys
- Non-wetting/non-reactive with molten nonferrous alloys
- Non-sticking with splatter/brazes
- Long lasting, abrasion-resistant Boron Nitride coating

Ideal Uses

- Molten metal transport parts
- Ladles and skimmers
- Thermocouple sheaths
- 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. Dry at room temperature (takes about 10-30 minutes).
5. One-time "Bake-on": Heat coated part to 800-850 C for ½ hr. to "set" Supercoat.

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(50%), Mixed Oxides
Liquid Carrier	tert-Butyl Acetate
Binder Phase	Mixed Oxides
Brookfield Viscosity (cps)	100 @3/60
Specific Gravity	1.08
Color	White
Shelf Life (months)	>12
Coverage (ft ² /gal.)	100-400
H F R Ratings	1-2-0
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 hr.

Sizes and colors

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

ZYP Coatings, Inc. (ZYP) makes no warranties, express or implied, including the warranty of merchantability or fitness for a particular service. Product is for industrial/commercial use only. Users should determine suitability for their use. In no event will ZYP be liable for any direct, indirect, incidental, special or consequential damages or losses including, but not limited to loss of profits, in any way related to this product regardless of the legal theory asserted.