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BN ThermKote Paste

For 3D Printing/Cartridge Heaters to Improve Conduction and Release

ZYP Coatings' BN ThermKote Paste is water-based and has been especially designed for best heat conduction from heater units such as used for 3D printers. BN ThermKote allows the cylindrical sheath of the cartridge to be in intimate contact with the object to be heated.

For 'seating' the heaters, merely coat the cartridge heater and the hole in the "heat block", and insert the heater while still wet and let it dry at ambient temperature. Any excess coating will squeeze out and can be rubbed away. Boron Nitride (BN) is electrically insulating and does not contaminate the heater terminals or surrounding. The nature of the paste is such as to fill the space between the heater sheath and the object to which it is mounted.

Key Attributes

- High thermal conductivity, electrically insulating
- Applies like spackling compound
- Safe, water-based, no VOC's
- Easy open/close, leakproof container

Ideal Uses

- Improving heater efficiency
- Extending heater lifetime
- Easing release/removal of heaters from holders

Use Notes

1. Apply with applicator swab.
2. Insert "wet" into holder.
3. Allow to dry at ambient temperature.
4. The first heatup will finish any outgassing and 'set' the paste

Safety Information

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



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 Inert 3272 F / 1800
Use Atmosphere	All
Fired Composition	>85% BN
Liquid Carrier	Water
Binder Phase	Al ₂ O ₃
Active Ingredient Level	Fully Loaded
Brookfield Viscosity (cps)	35,000-46,000 @4/12
Specific Gravity	1.22
Color	White
Shelf Life (months)	>12
Coverage (ft ² /gal)	100 to 400
Coating pH	2-3
H F R Ratings	1-0-0
Substrate Use	All

Sizes and colors

BN ThermKote Paste is a white colored paint.
 Standard Sizes: 1 oz. (30 ml) Nalgene container

CAUTION: DO NOT CONTACT WET SURFACES WITH MOLTEN METAL.

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