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BN Pyrrhos

Water-Based BN/Silicone Heat-Resistance Coating

BN Pyrrhos is a light gray, water-based coating that is adherent to metal and ceramic substrates, usable to over 800 C (1472 F).

Key Attributes

- Tough, adherent light gray coating
- Abrasion resistant after drying and at use temperatures
- Works on carbon steel, stainless steel, and ceramics
- Provides Boron Nitride non-reactivity/non-wetting
- Inhibits corrosion
- Silicone-emulsion based binder
- No primer coating required
- No "heat cure" required; ready to use on applying and drying
- Safe, water-based, easy to use and cleanup
- No "HAZ" shipping needed

Ideal Use

- Increases lifetime and improves performance for high-temperature materials
- Reduces reactions/interactions of gases, slags, etc. with substrates

Use Notes

1. Resuspend if necessary: make sure the paint is uniform at starting.
2. Clean surface of oils, dirt, scale etc. Wiping with solvent such as MEK helps here. Roughening by grit blasting or sandpapering may improve performance (remove any surface dust after these techniques before applying the coating however).
3. Apply coating like housepaint (bristle or foam brush, air spray).
4. Allow to thoroughly dry, typically less than an hour at room temperature. Apply additional coats if desired, drying between all coats and before use. Keep in mind that thinner is better generally.

CAN BE THINNED WITH WATER - up to 1 part water to 2 parts coating



Specifications

Active Ingredient	Boron Nitride
Max Use Temperature	>1472 F/ 800 C
Use Atmosphere	All
Fired Composition	>40% BN with refractory mix
Liquid Carrier	Water/Silicone/Emulsion
Brookfield Viscosity (cps)	circa 1000-1500 @3/60
Specific Gravity	1.2
Color	Light Gray
Shelf Life (months)	>12
Coverage (ft ² /gal)	100-400
Coating pH	9-10
H F R Ratings	1-0-0
Substrate Use	Metals, ceramics

Sizes and colors

BN Pyrrhos is a light gray colored paint
 Standard Size: 8 oz. or 32 oz. (quart)
 epoxy-lined can

Safety Information

- Consult SDS before use.
- Avoid breathing of vapors.
- For industrial use only
- Keep from freezing.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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