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Pyrrhos

Water-Based Silicone Heat-Resistance Coating

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

Key Attributes

- Safe, water-based, easy to use and cleanup
- No primer coating required
- Tough, adherent matte-black coating
- Silicone-emulsion based
- Works on carbon steel, stainless steel, and ceramics
- No "heat cure" required; ready to use on applying and drying
- No "HAZ" shipping needed since only water is the 'carrier'

Ideal Use

- Increases lifetime, performance, and appearance of parts "seeing" high temperatures, including
 - o Fireplace components
 - o Furnaces, kilns, ovens and related housings
 - o Exhaust parts, screens, hoods, mufflers
 - o Incinerators, oxidizers, burners
 - o Fixtures
- 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.



Specifications

Active Ingredient	Ceramic black pigment
Max Use Temperature	>1472 F/ 800 C
Use Atmosphere	All
Fired Composition	Mixed Ceramic Oxides
Liquid Carrier	Water/Silicone/Emulsion
Brookfield Viscosity (cps)	2900-3400 @ 4/60
Specific Gravity	1.64
Color	Black
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

Pyrrhos is a matte-black 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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