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Coverguard

Reduces/Stops Graphite Oxidation/Burning to 1000 C (1832 F)

Coverguard is a water-based paintable Silicon Carbide (SiC) coating that is usable to 1000 C (1832 F) in air/oxidizing atmospheres to protect all graphite and carbons from oxidation while providing a tough, abrasion-resistant layer. Thus, Coverguard reduces carbon loss and costly graphite component replacement.

Key Attributes

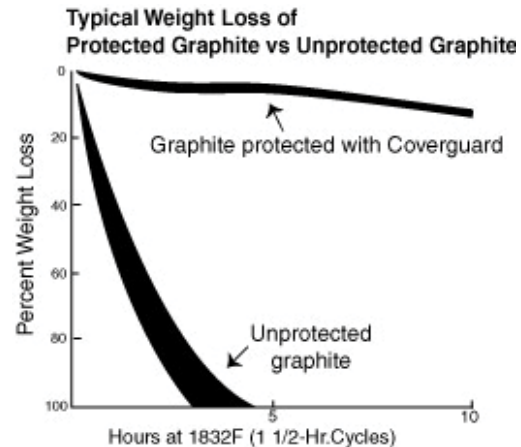
- Extends Lifetime & Reduces Maintenance
- Provides a Hard, Abrasion-Resistant Layer
- High Emissivity due to SiC
- Usable on all Graphites / Carbons
- Withstands Cyclic Use
- Forms Sealed-Porosity-Coating That Stops Oxidation: Performs Best if Used > 700 C (>1292 F) due to Pore-Sealing
- Water-based, Ready-to-use, Like Housepaint

Ideal Use

- Oxidation Reduction/Prevention with Graphite and Carbons
- Tough/Abrasion-Resistant Surface Sealant Layer for Graphite

Use Notes

1. DO NOT DILUTE.
2. Resuspend the paint.
3. Lightly roughen (sandpaper or grit-blast) the surface to be coated.
4. Clean surface of all loose dust/powder.
5. Apply 2-4 coatings [3-10 mils, 0.003-0.01 inch\or 0.08-0.25 mm] by brush or spray, drying thoroughly between applications and before heating to use-temperature.
6. Coating is fully hard and water-resistant after heating to >350 C (>662 F).



Specifications

Active Ingredient	Alpha Silicon Carbide
Max Use Temperature	1832 F/ 1000 C
Use Atmosphere	Air [others also OK]
Fired Composition	>75% SiC with proprietary Binder
Liquid Carrier	Water
Brookfield Viscosity (cps)	2100-4100 @3/30
Specific Gravity	1.8
Color	Gray-Black
Shelf Life (months)	>12
Coverage (ft ² /gal)	100-400
Coating pH	2-3
H F R Ratings	1-1-0
Substrate Use	Graphite

Sizes and colors

Coverguard is gray-black colored paint.
Standard Size: wide-mouth 1 gallon pail.

Safety Information

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

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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