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# **Reduces/Stops Graphite Oxidation/Burning to 1400 C**

Coverguard is a water-based paintable Silicon Carbide (SiC) coating that is usable to 1400°C (2552°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

## **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.
- 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) for 0.5-1 hour.



#### **Specifications**

Active Ingredient

Alpha Silicon Carbide

Max Use Temperature2552 F/ 1400 CUse AtmosphereAir [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 (ft2/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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