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 (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.

**CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.**
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