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# Black Satin Graphite Coating

## Best Performing Graphite Based Coating

Black Satin is a tough, adherent Graphite based coating with higher use temperature in air than any other Graphite coating – allowing its use up to molten Aluminum temperatures. The coating is usable in air with minimal degradation at 750 C (1382 F) and for short time use to 800 C (1472 C).

Black Satin is ready-to-use or can be diluted with water as desired.

### Key Attributes

- Provides non-stick, non-wetting, release with many molten metals, slags, salts
- Applies like housepaint (brush, dip, air-spray)
- Can be used as is or diluted with water to desired viscosity
- Water-based, safe and easy-to-clean-up

### Ideal Use

- Coating ceramics or metals for release/lubrication
- When Graphite properties are desired, yet use-temperatures are over 550 C limit typical for Graphite

### Use Notes

1. Resuspend if needed. Can dilute with water.
2. Clean surfaces to be painted of any oils, dirt, scale, etc.
3. Apply one layer by brush, dip, or air spray. Apply other layers if needed, drying after each layer
4. Thoroughly dry before use

### Safety Information

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



### Specifications

Active Ingredient	Graphite
Max Use Temperature	750-800 C (1382-1472 F)
Use Atmosphere	Air
Fired Composition	>75% Graphite
Liquid Carrier	Water
Binder Phase	Aluminum Phosphate-Silicate
BN Level	Fully Loaded
Brookfield Viscosity (cps)	1020 @3/60
Specific Gravity	1.27
Color	Black
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	100 to 400
Coating pH	2
H-F-R Ratings	1-0-0
Substrate Use	All

### Sizes and colors

Black Satin is a black colored paint.

Standard Sizes: 1 gallon pail

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

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