

**DESCRIPTION**

This true high-temperature silicone system was developed from a proprietary blend of resins and pigments to provide service up to 1000°F (538°C).

*\*Temperature limits vary with color and gloss.*

This product is designed to be a smooth semi gloss white coating for steel and aluminum substrates.

**Product Benefits**

- Designed to clean up well and to reduce cross contamination\* with other coatings.
- This coating has good color and gloss retention to 450°F (233°C).
- Satisfactory performance at 800°F (430°C) while maintaining good film integrity.
- Excellent UV resistance for outdoor use on aluminum or aluminized substrates.
- Thinner film builds for better coverage per pound

**SPECIFICATIONS**

Bake Time	15 minutes
Substrate Temperature	400°F (204°C)
Specific Gravity	2.00 +/- 0.05
Theoretical coverage for 1 mil	96 ft. <sup>2</sup> / lb.
Film builds between	0.80 and 2.50 mils
Recommended at	1.8 mils
Coverage at recommended mils	53.3 ft. <sup>2</sup> / lb.

**Heavier film builds are not recommended.**

**TYPICAL PROPERTIES**

Pencil Hardness	>H
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**SURFACE PREPARATION**

High temperature coatings require cleaner substrates to maintain a good bond between metal and coating. Abrasive media blast is an excellent method of surface preparation. Chemical pretreatments are effective, but must be rinsed to a clean surface with no dirt or cleaner residue. **Phosphate pretreatments have their own temperature limits that must be observed.** Contact your chemical pretreatment supplier. Also substrates have limits that must be observed.

**PERFORMANCE TESTING**

Continuous testing for 48 hours at 400°F (205°C) shows these products hold reasonable gloss, color and physical integrity at this service temperature. Testing at 500°F (260°C) indicates good Intermittent performance with some color and gloss change at extended times and higher temperatures. Testing indicates good film integrity after exposure to temperature at 1000°F (538°C) and color will return near to original after some resins and additives have completely burned out of the coating.

**PRECAUTIONS**

**Read and understand the MSDS before using.**

This product is more temperature sensitive than normal powders and should be stored and used at temperatures below 77°F (25°C). This product is more susceptible to moisture contamination than other powder products. Because of the electrostatic properties of this powder a fluidizing feed hopper with high air flow must be used.

*\* We recommend testing for compatibility with other products that you use before purchasing for use in production.*

**STORAGE**

This product should be stored at temperatures below 77°F (25°C) for up to 6 months. Under carefully controlled conditions, shelf life may be extended.

**LIMITATIONS**

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstance are we liable for incidental and consequential damages.

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