

DESCRIPTION

This high-temperature silicone system is designed to provide service up to 800°F (427°C) and higher. With service up to 1000°F (538°C) without softening or losing film integrity. It is designed to be a smooth metallic coating for steel, aluminum and other cast substrates.

Product Benefits

- High temperature resistance for superior performance in gas grill applications
- Excellent application properties and film quality
- Excellent performance at service temperatures while maintaining color, gloss and film integrity.

SPECIFICATIONS

| | |
|---------------------------------------|-------------------------------|
| Cure Cycle [Substrate temperature] | 15 minutes @ 400°F (204°C) |
| Specific Gravity | 1.98 +/- 0.05 |
| Theoretical coverage at 1 mil | 97 ft. ² / lb. |
| Film builds between | 1.0 and 3.0 mils |
| Recommended at | 1.80 mils |
| Theoretical coverage at recommended | 54 ft. ² / lb. |

Heavier film builds are not recommended.

TYPICAL PROPERTIES

| | |
|------------------------------|----|
| Pencil Hardness (ASTM D3363) | >H |
|------------------------------|----|

PERFORMANCE TESTING

Continuous testing for 48 hours at 800°F (427°C) indicates these products retain gloss, color and physical integrity at this service temperature. Testing for 168 hours at 850°F (454°C) indicates good performance with some gloss change at extended times and higher temperatures.

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.

STORAGE

This product is more temperature sensitive than standard powders and should be stored and used at temperatures below 75°F (24°C) at all times. This product is also more susceptible to moisture contamination than standard powder products.

PRECAUTIONS

Read and understand the MSDS before using. Because of the electrostatic properties of this powder a box gun is not suitable.

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

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 (including 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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