



PRODUCT DATA SHEET

HEAT RESISTANT POWDER COATING

1PC-653-2866

T-2 BLACK TEXTURE

GENERAL INFORMATION

This is a specially formulated silicone powder coating product designed to provide service up to a peak temperature of 1200°F without losing film integrity. The coating will provide consistent performance at operating temperatures up to 800°F without softening, losing gloss or losing film integrity.

This Stove Bright Powder Coating is a low-gloss textured coating for steel and aluminum substrates.

SPECIFICATIONS

Bake Time	20 minutes
Temperature (substrate temperature)	450°F
Specific Gravity	2.0+/- .05
Theoretical coverage for 1 mil	96 ft ² per pound
Film thickness between	1.8 and 3.0 mils
Recommended at	2.0 mils
Theoretical coverage at use mils	48 ft ² per pound
Pencil Hardness	>H

**Heavier film builds are not recommended.*

**Initial cure physical properties are not as tough as standard powder chemistries. Properties improve when used at higher temperatures.*

SURFACE PREPARATION

Higher temperature coatings require cleaner substrates. Phosphate pretreatments should not be used because they interfere with the silicone chemistry. Some substrates have their own temperature limit that must be observed.

APPLICATION

Electrostatic application of this powder to room temperature substrate is recommended. Reduced voltages can improve coating film thickness uniformity.

PERFORMANCE TESTING

Continuous testing for 48 hours at 800°F indicates these products hold gloss, color and physical integrity at this service temperature. Testing for 168 hours at 1000°F indicates good performance up to 24 hours with some gloss change at extended times and higher temperatures. *We recommend testing with other products that you use before purchasing.

FINISHED PRODUCT HANDLING

The finished coated product is not as tough as standard powder coatings. Care must be exercised in handling and packing to ensure that finish is not damaged.

STORAGE

This product should be stored at temperatures below 75°F for up to 6 months.

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 75°F. This product is more susceptible to moisture contamination than other powder products. Because of the electrostatic properties of this powder a box gun is not suitable.

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 under then existing conditions. 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.