

High Temperature Powder

General Description

High Temperature Powder is a thermosetting silicone powder designed as a coating for High Heat Resistance application. Depending on the substrate type, this coating is capable of withstanding operating temperatures of up to 1000°F (538°C) for 4 hours with minimal visual change, no loss of adhesion and very good corrosion resistance. *Caution: This product is not recommended for enclosed or indoor applications.*

Typical Properties of the Powder

Color: Black

SAE J2334; Cyclic Corrosion Resistance

20 cycles, Pass 1E2397

Typical Properties of Applied Film

TEST / REQUIREMENT	METHOD	RESULT
Pencil Hardness	ASTM D3363-92a	H
Impact Resistance	CSA Z245.20-10 API-RP 5L7	60 / 40 in.lbs.
Elongation Flexible Mandrel	ASTM 522 Method A	20% minimum, No Fracture
Adhesion, Cross Hatch (min)	ASTM D3359-97	4B
Glass @ 60°	ASTM D523-89	10-20
Substrate	Aluminized Steel (ACE approvals based on this substrate type only)	

General Application Parameters

Application: Electrostatic Spray, Cold

- Substrate Recommendations:
 - a. All surfaces should be cleaned with solvent (SSPC-SP1) to remove any grease or oil contaminants prior to painting.
 - b. Aluminum or Aluminized Steel, 0.8 mm gauge Type 1.
 - c. Cast Iron, SAE J431 or Equivalent.
- Apply SSB-615-H1 powder at recommended thickness (see below).



Disclaimer

Conditions under which our materials may be used are beyond our control. The suitability for application and performance of finished goods coated with Aerovent material is the sole responsibility of the customer and end user. Aerovent expressly denies specific or implied warranties including warranties for fitness for a particular use or purpose.



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