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**PRODUCT DATA SHEET: MCS Metallic Ceramic High Heat Insulating Coat**

**Part#: MCS**

**SELECTION DATA**

**PRODUCT DESCRIPTION:**

MCS is a metallic ceramic coating designed as an insulating coating. It is to be used either as a base coat on the outside diameter (OD) or as a standalone coating on the inside diameter (ID). MCS is capable of handling temperatures over 2000°F. MCS does not have good corrosion characteristics unless top coated, then it enhances the corrosion resistance of both coatings. MCS is unaffected by most chemicals. Requires a 500°F cure.

**RECOMMENDED USES:**

Designed primarily as a base insulating coating for exhaust systems. It may be used in other applications either as a standalone coating or in conjunction with other Tech Line products. Call our Technical Sales office for further assistance.

**NOT RECOMMENDED FOR:** Magnesium or substrates that cannot handle the cure temperature.

**APPLIED FILM THICKNESS:** .0005” to .0015”

**TEMPERATURE RESISTANCE:** In excess of 2000°F

**SUBSTRATES:** May be applied to both ferrous and non-ferrous that can handle the cure temperature.

**COATING ADHESION (ASTM D4541):**  
Excellent

**FLEXIBILITY TEST:** Survives cyclic heating and cooling cycles.

**CORROSION:** Excellent when top coated.

**ACCEPTABLE SUBSTRATES FOR APPLICATION:** Not to be used on magnesium. Fine for ferrous and non-ferrous substrates, plastics and composites that can handle the cure temperature.

**ELECTRICAL PROPERTIES:** N/A

**CHEMICAL RESISTANCE:** Good.

**FILM TYPE:** MCS is a semi-flexible and durable coating. It may be etched to receive a top coat. Only one layer is recommended to be applied as a top coat.

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