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PRODUCT DATA SHEET: Ciloxide™ Satin Black

Part#: CXBK

SELECTION DATA

PRODUCT DESCRIPTION:

Ciloxide (CXBK) is a "ceramic" coating designed to be applied primarily to exhaust systems components and other parts subject to high temperature and movement/flexing. When applied to exhaust systems, CXBK will withstand substrate temperatures of over 2000°F. CXBK will handle environmental temperatures of up to 2000°F. Due to its unique ceramic nature, the coating also functions as a very effective thermal barrier, with reduced thermal radiation characteristics. In addition, CXBK has lubricating/release capabilities. CXBK may be partially cured at 500°f for one hour (400°F with Activator purchased separately); full cure requires 750°F for one hour at temperature. The coating cures out to a durable surface with excellent adhesion. Corrosion and chemical resistance is only achieved after the coating achieves a complete cure.

RECOMMENDED USES:
Designed for single coat coverage. May be applied to virtually any metal part for a durable thermal barrier.

NOT RECOMMENDED FOR: N/A

CHEMICAL RESISTANCE GUIDE:

Exposure	Splash & Spillage	Fumes
Acids	Poor	Poor
Alkaline	Poor	Poor
Solvent	Good	Good
Fluids	Good	Good
Fuels	Good	Good
Salt	Good	Good
Water	Good	Good

TEMPERATURE RESISTANCE: (non-immersion)
2000°F substrate, 2000°F maximum environmental

SUBSTRATES: May be applied to both ferrous and non-ferrous.

TOPCOAT REQUIRED: None Required

COMPATIBILITY WITH OTHER COATINGS: May be applied over MCS or HHBK to withstand higher substrate temperature or to increase the thermal barrier functions.

RECOMMENDED DRY FILM THICKNESS PER COAT:
.001" to .0015"

SURFACE PREPARATION: All parts must be absolutely free of all oils, grease, moisture, dust, scale or corrosion.

METALS: For steel, sandblast with 80-100 grit aluminum oxide or similar.

FINAL CLEAN: Before spraying, the part must be thoroughly cleaned using air blast, hot water rinse, solvent base rinse, or any other method that provides a clean dry surface. DO NOT USE petroleum based solvents.

TEST	RESULT
Adhesion (ASTM D 3330)	Pass
Pencil Hardness	8H Plus Pass
Mandrel Bend 1/4" Dia.	Pass
Impact (ASTM D 2794)	Pass
Thermal Resistance 1200°C/2200°F Flame	Pass
Thermal Shock Resistance 540°C/1000°F Surface*	Pass
Thermal Shock Resistance 700°C/1300°F*	Pass
Salt Spray**	Good
Conductivity	Non Conductive
Chemical Soak	Pass
Heated Chemical Quench***	Pass
Color Stability	Pass