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PRODUCT DATA SHEET
Carrera Black

SELECTION DATA

CHEMICAL NAME / SYNONYMS:

PRODUCT DESCRIPTION:
Carrera Black is a ceramic coating capable of providing extremely high levels of thermal protection in very thin films. When properly applied ***Carrera Black*** will withstand substrate temperatures of over 1800f. In addition direct flame will not cause delamination, as long as substrate temperatures do not exceed this temperature. ***Carrera Black*** will handle environmental temperatures of up to 2000f. Due to its unique ceramic nature, the coating also functions as a very effective thermal barrier, with reduced thermal radiation characteristics. ***Carrera Black*** will air cure over a period of 24 hours, however curing may be accelerated by exposing to a minimum of 450F for 1 hour. The coating cures to a very hard surface with excellent adhesion. ***Carrera Black*** is solvent based with a very low V.O.C.

RECOMMENDED USES:
Carrera Black is primarily designed as an exhaust system coating. It has good adhesion to virtually all metals and some plastics. It can be used on any part in the exhaust system. Designed for single coat coverage though multi coat applications will increase corrosion resistance.
NOT RECOMMENDED FOR: N/A

CHEMICAL RESISTANCE: Good

TEMPERATURE RESISTANCE: (non-immersion)
1800f substrate, 2000f environmental

FLEXIBILITY: Good

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

TOPCOAT REQUIRED: No

COLOR: Black

APPLIED FILM THICKNESS: .001" to .0015"

HRC (Equivalent Rockwell C Scale): N/A

ADHESION (Tape Test ASTM D 3330): 5.0 (Excellent)

PENCIL HARDNESS TEST: Exceeded tester limits

IMPACT TEST (ASTM D 2794 2 lb. Weight): 48" no loss (12" reverse impact no loss)

FLEXIBILITY/ BENDING ADHESION ASTM D522:
180° full load (Pass) 180° full load reverse bend (Pass)

THERMAL SHOCK: Survives thermal cycling 1055F to 32F.

THERMAL TEMPERATURE RESISTANCE: Survives base metal temperatures in excess of 1800F. Handles temperatures to 2000F for short periods. Survives cyclic heating and cooling.

SALT SPRAY RESISTANCE: N/E (currently at 500 hours without failure [3/29/09])

CORROSION TEST DATA: Excellent, Resists acids, solvents, most chemicals and has fair alkaline resistance.

PHYSICAL PERFORMANCE (Wear & Load): N/A

ACCEPTABLE SUBSTRATES FOR APPLICATION:
All Substrates

ELECTRICAL PROPERTIES: Insulator

CHEMICAL RESISTANCE: Excellent

READ THE SAFETY DATA SHEET BEFORE USE.