FIREX™ RX 2376

FIREX™ RX 2376 is a polyurethane based coating containing active fillers that form a liquid film at temperatures in excess of 250 º F (121 ºC). Under conditions of high speed aerodynamic heating, this film is swept away by the slipstream without affecting the airfoil characteristics or electrical transmission properties. All FIREX™ products adhere well to metals, wood, paper, and glass and readily accept a top coat.

FIREX™ RX 2376 is a two component liquid system that is mixed in the ratio of 100 parts of component "A" to 172.5 parts of component "B". Pot life is approximately one hour at room temperature. The user can apply the mixed material through conventional suction type, paint spraying equipment. The optimum thickness uniformity and surface texture is obtained from the horizontal coating position.

The material is capable of single pass application thickness of 30 mils (0.75 mm) with six hour drying time between passes with final curing occurring at room temperature in twenty four hours. The cured material remains stable at temperatures from -65 to 200 ºF (-54 to 93 ºC).

Similar to any polyurethane based material, **FIREX™ RX 2376** has an ambient temperature shelf life of at least 30 days and a life up 90 days in a refrigerated environment.

Minteq Pyrogenics Group
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*MIN*TEQ INTERNATIONAL INC.

A subsidiary of Minerals Technologies Inc.

Thermal and Physical Properties of Firex™ RX-2376

Property	Typical Values
Heat of Ablation	1000 cal/g (1800 BTU/Lb)
Activation Temperature	138 ° C (280 ° F)
Substrate Temperature	121 ° C (250 ° F)
Specific Heat	1.674 J/g °K (0.4 BTU/Lb - ° F)
Thermal Conductivity	0.24 W/m°K (0.14BTU/hr ft2 °F/ft)
Density (maximum)	1.11 g/cc (69 lb/ft^3)
Tensile Strength (room temperature)	70 kg/cm2 (1000 psi)
Ultimate Elongation (room temperature)	5 %

FIREX™ Technical Data RX-2376

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