














Starpoxy™ 410 Fluid Resistant Epoxy Polyimide Topcoat

PRODUCT GROUP	Aerospace
 Characteristics	<p>Starpoxy™ 410 epoxy topcoat is a two-component solvent based epoxy/polyamide coating system designed specifically for applications where high chemical and abrasion resistance is a key factor. Starpoxy™ 410 is approved for de Havilland Material Specification C4.11 and the MIL-PRF-22750, Type 3, Class H, Grade B specification</p>
 Product Information	<ul style="list-style-type: none"> • Long pot life with stable viscosity • Excellent impact resistance • Excellent spraying characteristics • Outstanding solvent and Skydrol resistance • Excellent adhesion to aluminum, steel, galvanized, stainless, composites and some plastics • Fast drying (Can be force dried)
APPLICATION	
 Mix Ratio	<p>Base: 1 part Starpoxy™ 410 base to 1 part Starpoxy™ 410 catalyst by volume. Reducer: Use SB43 as required to a viscosity that best suits your equipment or contact factory for suggested viscosity.</p>
 Film Thickness	<p>1.5 to 2.0 mil DFT for industrial and commercial 1.0 to 1.5 mil DFT for Aerospace</p>
 Pot Life	<p>8 hours for best results</p>
 Aircraft Fuel Resistance	<p>The enamel showed no signs of defects after 7 days immersion in Jet A1 Fuel to MIL-T-5624</p>
 Corrosion Resistance	<p>The enamel passed immersion in MIL-H-5606 hydraulic fluid for 7 days at room temperature without showing any surface defects and maintained its original pencil hardness of 4H</p> <p>Corrosion With a scribed film at an angle of 6°, it exhibits no blistering, lifting of the aluminized coating, or substrate corrosion after exposure to 5% salt spray following ASTM B117 on treated aluminum substrate 3000 hours</p>
 Lubricating Oil Resistance	<p>The enamel passed immersion in MIL-L-2399 lubricating oil at 120°C for 4 hours without showing any defects and maintained its original pencil hardness of 4H. Upon cooling the enamel was bent over a 0.5 inch mandrel and showed no signs of failure.</p>
 Hydraulic Fluid Resistance	<p>The enamel passed immersion in MIL-H-5606 hydraulic fluid for 7 days at room temperature without showing any surface defects and maintained its original pencil hardness of 4H.</p>

<p>PHYSICAL PROPERTIES</p>	
 <p>Dry Times</p>	<p>Tack free: Less than 40 minutes @ approximately 25° C at approx. 50% relative humidity</p> <p>Dry through: Less than 3 hours @ approximately 25° C at approx. 50% relative humidity</p> <p>Full cure: Less than 6 hours. (Can be force dried at 150 200° F using conventional or infrared ovens, shortly after flash off.)</p> <p>Induction Time: 15 to 30 minutes</p>
 <p>Storage</p>	<p>Meets all the requirements in an unopened container for a period of one year when stored at proper temperature of 10–30°C</p>
 <p>Outdoor Weather Test</p>	
 <p>Safety Considerations</p>	<p>Use suitable personal protection. Refer to the product MSDS for complete safety information.</p>

Need More Information?

If you would like more information, please call us at, (905)794-1100. For calls outside the Greater Toronto Area, use our toll-free number: (800)975-5568 and for after-hours please call (416)587-9954. We will be happy to answer your questions!

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