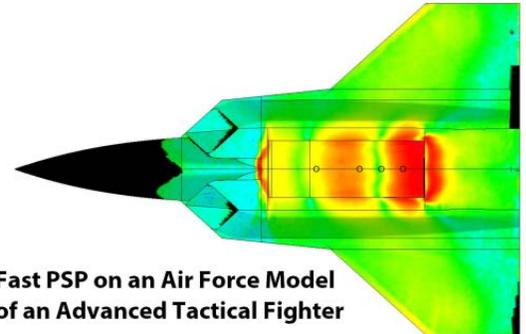


# Porous, Fast-Response Pressure Sensitive Paint

(Product ID: FP-XXX)

Porous Fast-Response PSP is a three component, single-luminophore high speed pressure sensitive paint (PSP) formulated to provide high speed response (>10kHz) suitable for unsteady pressure measurements with high pressure sensitivity. The temperature sensitivity of these paints is higher than UniFIB® or TurboFIB™ so this PSP is best suited for isothermal environments. This paint comes in three parts. Determine how much PSP you need for your application and measure out part A by volume. Part B will be measured out 5% by volume of part A. Shake the part A and B mixture well. This mixture is to be sprayed with paint spraying equipment on to the surface of study with a wet application to achieve a smooth finish. This application is the base layer. Once the base layer is dry, apply part C with paint spraying equipment, the overspray. The overspray, part C, may be reapplied more than once. A typical order would be a 100mL kit which would consist of three containers: 100 mL of part A, 5 mL of part B and 100mL of part C.



Fast PSP on an Air Force Model of an Advanced Tactical Fighter

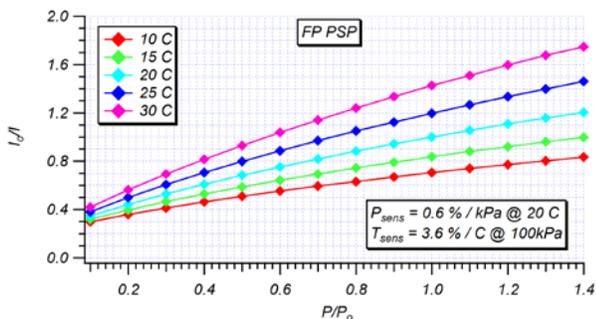
## SPECIFICATIONS

<b>Pressure sensitivity</b>	0.6% per kPa
<b>Pressure range</b>	0-kPa to 200-kPa
<b>Temperature sensitivity</b>	3.6% per °C
<b>Temperature range</b>	0°C to 80°C
<b>Response time</b>	<100 μs
<b>Excitation</b>	380-nm to 420-nm (400-nm ideal)
<b>Emission</b>	600-nm to 720-nm
<b>Photo-degradation rate</b>	1% per minute (Excitation)
<b>Shelf life</b>	3-months
<b>Filter</b>	610-nm
<b>ECCN</b>	EAR99

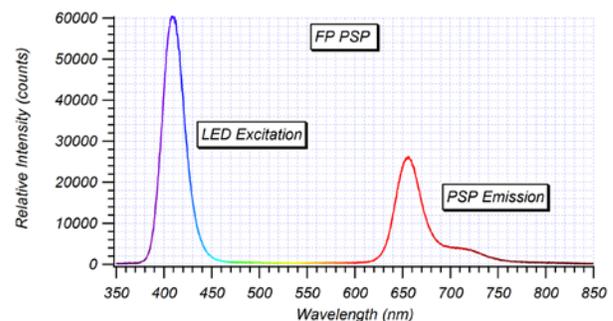


Porous Fast PSP

Available quantities: 100-, 200-, 400-, 750-ml



Calibration



Spectral Response

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