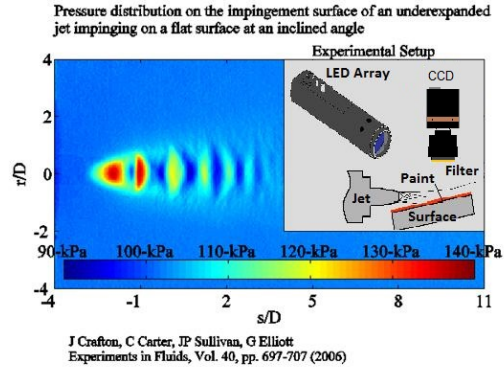


UniFIB Pressure Sensitive Paint (Product ID: UF-XXX)

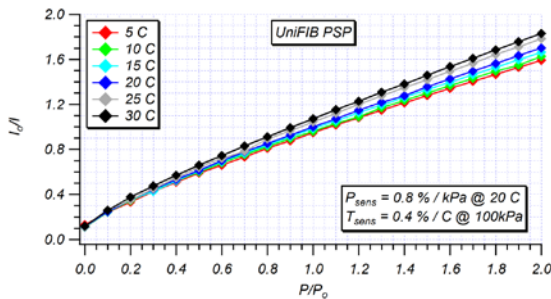
UniFIB is a bright single-luminophore pressure sensitive paint (PSP) formulated to be applied with paint spraying equipment as a single component PSP optimized for maximum luminescent signal while maintaining high pressure sensitivity and low temperature sensitivity. This paint formulation may be excited effectively from 370-nm to 520-nm, however, 400-nm radiation from LM2X-400 LED modules is recommended. The paint may be applied to most materials, though models constructed of materials that may be attacked by solvents, such as plastic or rapid prototyping resins, should be coated with a base coat such as SCR-100 (Screen layer) or FB (FIB basecoat). The calibration of UniFIB is very stable and repeatable thus UniFIB is recommended for advanced/professional PSP users who seek high-quality data up to transonic flow conditions.



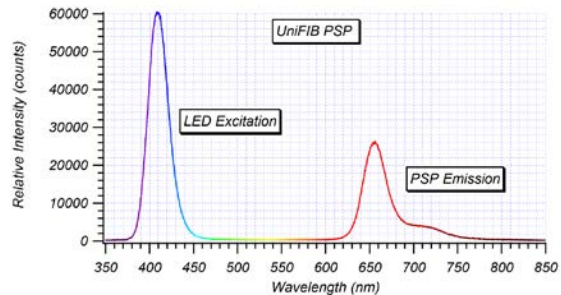
Example of pressure measurements accomplished using UniFIB PSP

SPECIFICATIONS

Pressure sensitivity 0.7% per kPa
 Pressure range 1-kPa to 200-kPa
 Temperature sensitivity 0.5% per °C
 Temperature range 0°C to 50°C
 Response time 300-ms
 Excitation 380-nm to 520-nm
 Emission 620-nm to 750-nm
 Photo-degradation rate 1% per hour
 Shelf life 12-months
 ECCN EAR99



Calibration of UniFIB PSP



Emission spectra of UniFIB PSP.
Paint excited using LM2X-DM-400 LED.

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