



# FLAME-RETARDANT SYSTEMS MEETING FAR 25.853A REQUIREMENTS







SELF-EXTINGUISHING ▪ HIGH PERFORMANCE ▪ BROAD RANGE OF APPLICATIONS



BUILDING TRUST




## EPOXY LAMINATING SYSTEMS

Product	Brand	Tg (°F)	Cured Color	Mixed Viscosity (cps)	Pot Life (min/g)	Description & Applications
EL-319						UV-resistant, halogen-free, unfilled system for fabricating parts or repairs on structures which require flame-retardancy with room-temperature curing capabilities
EL-319 H		120	lgt amber	1,780	36/200	
EL-319-1 H		120	lgt amber	900	108/200	
EL-320						Halogen-free, unfilled system developed for use in fabricating parts or repairs on structures which require flame-retardancy with room-temperature curing capabilities
EL-320 H		140	lgt amber	2,650	45/200	
EL-320-1 H		140	lgt amber	1,700	16/200	
AL 2020	 					Halogen-free, unfilled system used with glass, carbon, aramid or hybrid fabrics. Ideal for high performance parts used in NASCAR fire retardancy applications. Suitable for vacuum bagging and RTM. Can be heated immediately for faster process times
AL 2021 H		131	clear	1,000	65/100	
AL 2022 H		154	clear	1,300	210/100	
AL 2023 H		140	clear	1,300	570/100	
Epolam 2500	 					Halogen-free, filled system designed for production and repair of composite parts requiring flame and temperature resistance. Meets the requirements of Eurocopter specification ECS.2196.20 for interior fittings manufacture and repair
Epolam 2500 H		212	beige	3,500	90/500	



## EPOXY INFUSION SYSTEMS

EL-322						Halogen-free, unfilled system for use in fabricating parts or repairs which require flame retardancy with room temperature curing capabilities. Low mixed viscosity is suitable for vacuum infusion processes
EL-322 H		210	lgt amber	550	49/100	

## POLYESTER FILLERS & FAIRING COMPOUNDS

Product	Brand	Use Temp (°F)	Pot Life (min/g)	Resin Color	Shore Hardness	Description & Applications
Micro-Ultra 15-3		130	6/50	white	76 D	Lightweight, non-conductive, qualified to several OEM specifications; used for repair & finishing of interior composites
P-15-3 RR		130	6/400	white	87 D	Reducer resin for thinning of Micro-Ultra 15-3 or as a fast-set laminating resin; qualified to several OEM specifications
APF 77/1 R	 	212	11/100	off white	80 D	Lightweight, halogen-free, REACH-compliant, low shrinkage; used for surfaces, honeycomb panels and other substrates
PFR-405		400	6/102	lgt pale yellow	73 D	Halogen- and styrene-free, lightweight, high heat-resistant; used for filling porosity, surface blemishes, edge fill / panel close out, and repairing broken areas

## CORE FILLERS

Product	Brand	Density (g/cc)	Compressive Strength (psi)	CTE (ppm/°F)	Tg (°F)	Shore Hardness	Description & Applications
CF 230	 						Syntactic paste for edging honeycomb or cell densification for insert anchoring and repairs
CF 234 H		0.58	4,350	17	131	65 D	

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