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## Product selection - Europe

# Laminating systems for the aerospace industry

Concept and design by Zygmund SARL

## Laminating systems

Product	Mix ratio	Mixed viscosity	Gel time	Suggested cure schedule	Nominal service temperature	Laminate compressive strength	Color	Packaging	OEM specifications
Conditions		23°C	23°C			23°C			
Units	pbw	mPa.s	min	°C	°C	MPa		Kits Bulk	
Araldite® 501 A/B	100 : 15	3 500	90 (100 g)	7 days at 23°C or 16h at 45°C or 2h at 70°C	85	500	Blue	●	Airbus ASNA 4047 / Douglas HMS 16-1115, Type 3 / MD Helicopters MDM16-1115, Type 3
Araldite® LY 5052 / Aradur® 5052	100 : 38	500 - 700	450 (< 10 g)	1 day at 23°C + 15h at 50°C or 1 day at 23°C + 4h at 100°C	120	-	Clear liquid	●	Airbus AIMS 05-04-103 / Airbus AIMS 08-01-001 / Airbus AIMS 08-02-001
Epocast® 52 A/B	100 : 41	5 500	60 (100 g)	3h at 65°C or 2h at 95°C	175	-	Blue	●	Airbus AIMS 08-01-002 / Adam Aircraft S-00-040-36, Type 1 / Airbus Helicopters ECS 0049 / SAE Aero AMS 2980

## FST system for interior part manufacturing

Product	Tg	Flexural modulus	Flexural strength	Flexural elongation	Fracture properties K <sub>1c</sub> G <sub>1c</sub>	Process	Main features
Norm		ISO 178	ISO 178				
Units	°C	MPa	MPa	%			
Araldite® FST 40002 / 40003	260	3 100	135	5	0.9 MPa.√m 270 J/m <sup>2</sup>	RTM, Infusion, Pultrusion (injection box)	FAR 25.853 FST compliant solutions designed for interior applications, Araldite® filler-free composite system suitable for direct liquid processes with fast curing capability (5-10 min / 150°C).
Araldite® FST 40002 / 40006	210	3 400	135	4	0.6 MPa.√m 100 J/m <sup>2</sup>	RTM, Infusion, Pultrusion (injection box)	