



WET LAY-UP

INFUSION

PRE PREGS

ASSEMBLING

PARIS FRANKFURT LONDON MILANO BARCELONA BRATISLAVA SHANGHAI NAGOYA DUBAI PUNE DETROIT MEXICO CITY

# MARINE COMPOSITES



ISO 9001



ISO 14001





Axson Technologies has developed a comprehensive range of efficient and reliable products for the fast production of accurate models.



From lightweight labelite PU foams and smooth Prolab blocks for small size models, to SC extrusion pastes, Axson solutions provide you with the right solution ,

Product	Density	Max Temp.	Application
SC 175	0.62	80°C	Plugs making
SC 380	0.80	80°C	Plug and mould making
LABELITE 220	0.22	120°C	Substrate for plugs
PROLAB 65	0.67	50°C	Models for keels and rudder blades
LAB 970	0.70	80°C	Models for tooling prepreg
LAB 973	0.70	120°C	Models for prepreg



EPOLAM resins, associated to multiaxial or woven fabrics will infuse large moulds whereas HX42 prepregs will help to build strong moulds for high performance vessels or spars.

Product	Pot life	TG (°C)	Application
EPOLAM 2035/2025	130 min	135	Large moulds by infusion
EPOLAM 2092	400 min	210	Large moulds by infusion. High temp.
HX 42	5 days	190	Prepreg moulds
MULTIPREG 8020	30 days	140	Out of autoclave for tools
APG 1750	20 min	200	Tooling gelcoat





EPOLAM laminating range is the up-to-date group of specially formulated epoxy systems. Whether used by infusion or classical wet lay-up, they bring stiffness, reduced toxicity, and are easy to operate.



Product	Mixed viscosity	Pot life (500 g)	Application
EPOLAM 2017	400-700 mPa.s	35-160 min	Wood bonding & wet lay-up
EPOLAM 5015	200 mPa.s	45-300 min	Vacuum Infusion
EPOLAM 2022	600 mPa.s	60 min	Wet lay-up, high modulus
RSF 816	600 mPa.s	28 min	Wet lay-up, UV resistant
MULTIPREG 8020	Out of autoclave		Prepreg system

EPOLAM 2017 and 5015 systems exceed the performances required by the Lloyd's Register and the Germanischer Lloyd's for the construction of special vessels.



ADEKIT epoxy and polyurethane structural adhesives bring strength and flexibility for the hull-deck bonding or for interiors assembly.



Product	Open time	Elongation at break	Chemistry / Application
A200/400	40 min.	90%	PU / Large dimensions, dissimilar substrates assembly
A252	8 min.	300%	Thixotropic PU for flexible bonding, semi structural bonding
A290/400	3 min.	90%	PU / Quick setting structural for composite/metal bonding
A155/420	120 min.	8.5%	EPOXY / Large dimension structural bonding, Bulkheads embedding
A140/400	40 min.	2%	TOUGHENED EPOXY / Medium size structural assemblies
A175/400	90 min.	5%	TOUGHENED EPOXY / Medium to large size structural assemblies
H9951T	50 min.	7%	EPOXY / Medium dimension structural bonding.



# Auxiliary products for High Performance Composites

Due to its simplicity, the Resin Infusion technique provides performance in between classic wet-lay up and high-performance prepreg. Axson has launched a comprehensive range of resins, reinforcements and processing equipment dedicated to infusion.

Multiaxial Fabrics		
	Glass	Carbon
UD (woven or knitted)	300-1200	300-800
BIAXIAL	300-1200	300-800
TRIAxIAL	600-1200	
QUADRIAXIAL	600-1200	400-1200

Woven fabrics		
Carbon	2x2T	200-600
Carbon	PW	90-600
Glass	2x2 T	160-600
Glass	PW	86-600
Aramide	5HS, PW	170-350

Vacuum products	
Vacuum bag	75 µm 2-10m wide
Vacuum sealants	90°C max or 205°C max
Peel ply	85-100 g/m <sup>2</sup> Various widths
Release films	P1, P3, NP
Fittings	Infusion spiral tube Vacuum connectors

Prepregs	
Tooling	HX42
Components	E722, E 650, 8020, Resin system
Core materials	
NOMEX	Standard + OX
FOAM	Density 60 - 130

Availability may depend on local agreement with our technical partners:

**AMBERCOMPOSITES**



**SELCOM**  
Multiaxial Technology

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