



resoltech
ADVANCED TECHNOLOGY RESINS





CATALOGUE

Welcome to the RESOLTECH range of **high performance composite materials**:



Epoxy, vinylester and polyurethane resin systems
Reinforcements in glass, aramid and carbon, woven, multiaxials and UD
Core materials and vacuum bag disposables

This guide is designed to help you start to navigate through over 800 resin systems, classified per application and per market. Most technical data sheets are available for download on the website **www.resoltech.com**.

STRUCTURAL COMPOSITES-WET LAYUP

-  **1040** Epoxy laminating system TG 144°C
-  **1050** Epoxy laminating system TG 75°C
- 1050 T** Thixotropic version of the 1050
-  **1080** Epoxy laminating system TG 110°C
- VI 5020** Vinylester lam. system TG 100°C
-  **VI 5030** Vinylester lam. system TG 150°C

STRUCTURAL COMPOSITES-INFUSION



-  **1050** Standard infusion system TG 75°C
-  **1800** Ultra low viscosity system TG 130°C

PREPREG APPLICATIONS

A selection of pre-impregnation resin systems and related materials : adhesives, fillers, gelcoats, cores.






- 1080 w** Low viscosity Water based pre-impregnation epoxy TG 195°C

SURFACING SYSTEMS-FILLERS



-  **8020 EX** Trowelable epoxy filler
- 3010 P** Metal Hull epoxy primer
- 3010 T** Epoxy highbuild surfacer
-  **3020 HP** Epoxy lightweight filler

TOOLING-MOULD CONSTRUCTION

Polyurethane foam slabs. Several densities available.






-  **2060 ALU25** Aluminium filled casting system
-  **7080** Tooling epoxy gelcoat TG 115°C
-  **7090** Tooling epoxy gelcoat TG 150°C
-  **1040** Epoxy lam. system TG 144°C
-  **1080** Epoxy lam. system TG 110°C
- VI 5090** Tooling vinylester gelcoat epoxy compatible

PATTERNS-PLUGS





-  **6020 HP** Low density Epoxy modelling clay
- 6030** High density Epoxy modelling clay
-  **2060 ALU25** Aluminium filled casting system






GELCOATS

-  **4070** Epoxy gelcoat (food grade)
-  **7060** Clear or any RAL colour available epoxy gelcoat TG 70°C
-  **7080** High Chemical resistance epoxy tooling gelcoat TG 115°C
- 7080csi** Silicium carbide abrasion resistant epoxy gelcoat TG115°C
-  **7090** Epoxy gelcoat TG 150°C
- 2010 FGCS** Self extinguishing (OMI-SOLAS 2000) epoxy gelcoat
-  **9040 PX** Polyester gelcoat epoxy compatible
- VI 5090** Vinylester gelcoat




ADHESIVES

	3030	Underwater cure epoxy adhesive
	3040	Epoxy adhesive paste
	3050 T	Honey comb and foam Core adhesive
	3060	Fast curing epoxy adhesive (5mn)




ANTICORROSION-METAL COATING

	4070	High chemical resisting epoxy coating
	3010 T	Sprayable epoxy coating
	VI 5080	High chemical resist. vinylester

CASTING SYSTEMS

	2010	Liquid casting epoxy system
	2010 FCI	Self levelling, self extinguishing casting epoxy
	2050	Thick casting epoxy system
	2060 ALU25	Aluminium filled epoxy casting system
	WWA	Crystal Clear epoxy castin system

FILAMENT WINDING








	1050	Standard epoxy matrix TG 75°C
	1400	Epoxy matrix TG 190°C
	1410	Epoxy matrix TG 230°C

INJECTION MOULDING






	1050	75°C TG injection epoxy matrix
	1400	150°C TG epoxy matrix system
	1410	230°C TG epoxy matrix system
	1800	130°C TG epoxy matrix system



WOOD-EPOXY CONSTRUCTION



	1010	Water based Wood primer/coating
	1020	Multipurpose system
	1020 T	Pregel version of 1020
	1030 H	Clear epoxy coating/varnish
	2040	Fillet/joint compound
	8020 EX	Trowelable lightweight filler
	3010 T	Highbuild-surfacer

TANKS & PIPES

	1050	Epoxy laminating system
	4070	High Chemical resist. coating
	VI 5030	Vinylester laminating system
	VI 5080	Vinylester coating system
	1100	On-site pipes & Drains renovation



FOAMING SYSTEMS

	1050 MX	Foaming epoxy laminating resin
	2010 M25	Foaming epoxy casting system

POWDER RESIN ADDITIVES

Colloidal silica, microfibrres, glass microballoons, non slip additive, silicium carbide.

FIRE PROTECTION

1090 TI	Self extinguishing resin (FAR25)
2010 FCI	Self extinguishing, self levelling resin (OMI SOLAS2000)
IFRIT	1200°C fire protection coating (FAR25)

WOVEN FABRICS

A selection of high performance fabrics for demanding composite applications.

03EGT48/96	Plain E glass 48 g / m ²
03EGT106/80	Plain E glass 106 g / m ²
03EGK200/80	Plain K glass 200 g / m ²
03EGS200/120	Twill E glass 200 g / m ²
03EGT277/100	Plain E glass 277 g / m ²
03AT120/120	Satin aramid 120 g / m ²
03AT175/120	Plain aramid 175 g / m ²
03AS175/120	Satin aramid 175 g / m ²
03C3T193/100	Plain carbon 190 g / m ²
03C3TSE200/175	Twill carbon 200 g / m ²
03C12TSE650/120	Twill carbon 600 g / m ²

MULTIAXIAL TECHNOLOGY

Advanced non-crimp multiaxial technology available in double-bias, double-bias+CSM, triaxial and quadriaxial. Custom products available.

E GLASS DOUBLE BIAS PRODUCTS

03EDB300/125	300 gr / 127 cm
03EDB400/127	400 gr / 127 cm
03EDB600/127	600 gr / 127 cm
03EDB800/127	800 gr / 127 cm

E GLASS TRIAXIAL PRODUCTS

03EDBL630/127	630 gr / 127 cm
03EDBL900/127	900 gr / 127 cm
03EDBL1200/127	1200 gr / 127 cm

E GLASS QUADRIAXIAL PRODUCTS

03EQ800/127	800 gr / 127 cm
03EQ1200/127	1200 gr / 127 cm

UNIDIRECTIONAL PRODUCTS

03EUD250/25	E GLASS 250 gr / 25 cm
03EUD600/10	E GLASS 600 gr / 10 cm
03C12NUD226/30	CARBON 226 gr / 30 cm
03C12UD300/15	CARBON 300 gr / 15 cm
03C6UD350/15	CARBON 360 gr / 10 cm

More UD's available on request.









CORE MATERIALS

Resoltech supplies a wide range of PVC foams, both rigid and flexible. Densities range from 40 kg / m³ to 200 kg / m³. Available plain or contoured, including a special version for infusion.

VACUUM CONSUMABLES

A range of vacuum and infusion products including peel ply 80 and 100 gsm, perforated film, sealing tapes, breather layers and bag films.

HIGH TEMPERATURE EPOXY SYSTEMS




 1040	Laminating system TG 144°C
 1400	Injection/laminating system TG 190°C
 1410	Laminating system TG 230°C
 1080	Laminating system TG 110°C
 1080 w	Water based epoxy system TG 195°C
 1800	Infusion system TG 130°C
 7080	Epoxy gelcoat TG 115°C
 7090	Epoxy gelcoat TG 150°C



FOOD & DRINK CONTAINERS

 4070	Epoxy coating
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VINYLESTER SYSTEMS

 VI 5010	Primer
 VI 5030	Laminating system
 VI 5080	Coating system with mica flakes
VI 5090	epoxy compatible vinylester gelcoat

MARINE

Resoltech offers complete solutions for yacht and boat construction, from the design boats to maintenance and refits.

Structural calculations & engineering, materials costing, construction process, on-site assistance, wet layup & infusion processes change, repairs, refits & maintenance.

We have a very strong experience of working with naval architects and builders for projects ranging from ships to high tech racing boats and fast passenger ferries.

WIND ENERGY



Resoltech offers high performance gelcoats and gelcoat interface systems for blades construction, multiaxial reinforcements and epoxy infusion as well as wet layup systems.





AEROSPACE

Resoltech offers advanced composite products for aerospace applications for structural and non-structural laminates and lightweight fire protection.





AUTOMOTIVE/TRANSPORT

A selection of injection systems, casting and tooling products for prototypes, moulds and patterns construction. Structural epoxy systems, adhesives and fibre reinforcements.

ART, ARCHITECTURE & DECORATION






	WWA	Crystal Clear casting system
	1070 s	Clear laminating system
	VLS UV	Clear flexible coating
	1010	Floor coating/decorative mortars

SURF, KITE SURF & SAIL-BOARDS

	1070 s	Clear laminating system
	1050	Standard laminating system
	9010	Polyester topcoat & lam. System
	9040 PX	Polyester gelcoat epoxy compatible

K Glass and other reinforcement fabrics, repair kits.

ELECTRICAL/ELECTRONICS

	1060	Rigid dielectric casting epoxy
	1060 ES7	Flexible dielectric casting epoxy
	ET 286 AN	Self-extinguishing dielectric epoxy (V0)
	ET 245	Self-extinguishing dielectric epoxy (V0)
	ET290	Dielectric epoxy coating

INFUSION TECHNOLOGY



Resoltech offers a selection of resin systems formulated for infusion. They provide high mechanical performance together with a very low viscosity and good temperature resistance.

Our systems are successfully used with all leading infusion processes. Their ultra low viscosity and high wet out abilities allow for infusion through the laminate without a transfer medium. We provide consulting services for infusion process implementation

POLYURETHANE SYSTEMS

A range of advanced polyurethane systems for dielectric applications, casting, elastomers, foaming resins, tooling products.

POLYESTER SYSTEMS

	9010	Clear lam. & coating system
	9040 PX	Polyester gelcoat

CUSTOM FORMULATION

RESOLTECH develops, formulates and produces resin systems for third parties and customers. These can be packaged under any brand.

TECHNICAL SERVICES

Resoltech provides selected services to assist in the development and application of advanced composite materials.

STRUCTURAL CALCULATIONS

We provide finite element engineering of composite structures.

ON-SITE ASSISTANCE

Our highly skilled technicians will assist your team anywhere in the world.

EXPORT SALES

RESOLTECH relies on a network of efficient distributors in several countries. We export worldwide and also offer a consolidation service to optimise shipping.

WEB SITE

www.resoltech.com is regularly updated and provides a wealth of information to composite engineers, designers and users. Most data sheets are available for download.

TECHNEWS

Resoltech publishes the TechNews newsletter on a regular basis. They are also available for download from the web site.

TECHNOTES

Technical bulletins available from the web site.

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The above list of products and services is not exhaustive. Please check with the sales department should you be unable to find the product or service you need. Resoltech reserves the right to amend this list without prior notice.



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