



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's  
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](http://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, microfibrils, 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<sup>2</sup>
- 03EGT106/80 Plain E glass 106 g / m<sup>2</sup>
- 03EGK200/80 Plain K glass 200 g / m<sup>2</sup>
- 03EGS200/120 Twill E glass 200 g / m<sup>2</sup>
- 03EGT277/100 Plain E glass 277 g / m<sup>2</sup>
- 03AT120/120 Satin aramid 120 g / m<sup>2</sup>
- 03AT175/120 Plain aramid 175 g / m<sup>2</sup>
- 03AS175/120 Satin aramid 175 g / m<sup>2</sup>
- 03C3T193/100 Plain carbon 190 g / m<sup>2</sup>
- 03C3TSE200/175 Twill carbon 200 g / m<sup>2</sup>
- 03C12TSE650/120 Twill carbon 600 g / m<sup>2</sup>

## 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 UDs available on request.

## CORE MATERIALS

Resoltech supplies a wide range of PVC foams, both rigid and flexible. Densities range from 40 kg / m<sup>3</sup> to 200 kg / m<sup>3</sup>. 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

## 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](http://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.

© General Catalogue March 2006

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.



DISTRIBUTED BY:

**RESOLTECH SARL**  
35 Impasse Emeri  
Pole d'activites  
13510 EGUILLES - FRANCE  
Tel. +33 442 950195  
Fax. +33 442 950198  
[www.resoltech.com](http://www.resoltech.com)  
[export@resoltech.com](mailto:export@resoltech.com)