



marine
solutions

www.euroresins.com



BUILD YOUR FUTURE WITH US



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BUILD YOUR FUTURE WITH US

Euroresins – Your navigator for the perfect marine solution.

Whether you are a small producer or a specialist international shipyard, you can always rely on Euroresins Europe to provide dedicated support and tailor-made solutions. Euroresins – the “one-stop shop” partner for you!

Market leader in Europe

With a local presence in 13 European countries, Euroresins is the market leader for the Marine Industry. Our premium principals ensure that Euroresins can offer the most innovative and efficient products for all your Marine requirements, and include DSM Composite Resins, BÜFA Gelcoat Plus, producers of glass fibres, specialties and reinforcements, Chemtrend and many other premium brands. As such, we can provide you with a wide range of products which, when fused with our technical expertise, helps us to find a solution for all your specific needs.

Innovation and sustainability

Euroresins is always working closely with our principals to be able to offer innovative solutions to the market that allow sustainable growth. “Bright science, brighter living” is the slogan of DSM, one of our main principals. The DSM and BÜFA research and development teams in the Netherlands and Germany are continuously working on new products and packaging that not only comply with local regulations but are also eco-friendly and safe.

Build your future with us

Euroresins is your partner! We see ourselves as your partner and therefore aspire to work with our customers to develop new ideas, products and solutions that fulfil the customer’s exact needs. Through our account management, our commercial, logistical and technical staff, together with the Euroresins management and principals, are dedicated to developing a long-lasting business relationship with our clients based on mutual trust.

Growing with your needs

Our client portfolio includes all kinds of companies – from large, world-renowned names in European boat building down to small specialist companies. Although our relationship with a customer often goes back several decades, we never take it for granted. After all, our customers have every right to expect us to be one step ahead in the market, to innovate products and processes. They also expect us to advise them on upcoming standards and regulations and to help improve their production process to be more effective and efficient. So, be the customer a large or a small company, Euroresins delivers services and solutions that help them succeed in their line of business. Because to us, our customers are partners.



**Speed up your production with our
neomould system.**



The Azuree 40 is a good example of the partnership between Sirena and Euroresins.

Sirena Marine and Euroresins Turkey - a great partnership

Sirena Marine has already made a name for itself as the only production partner of the Azimut-Benetti Group outside of Italy. Sirena Marine currently builds the Azimut 55 in Turkey under license from the Azimut-Benetti Group. Azimut Marine, a joint venture between Azimut-Benetti Group and Sirena Marine, also builds the Azimut 38 and 40S models in Turkey.

Founded by Kiraca Holding of Turkey, Sirena Marine currently employs 1,500 staff and operates in the automotive, marine, design-engineering and energy sectors. As a highly professional and experienced company that makes use of the latest technology, Sirena was proud to win the prize for *“Best Boat for 2010-2011”* at the Genoa Boat Show with the Azuree 40.

“The Azuree 40 is a good example of the partnership between Sirena and Euroresins,” says Mr. Levent, Director of Composite Activities at Sirena Marine. “Euroresins Turkey not only provides the materials but also supports us technically to reach the optimum level of production. Additionally, everyone at Sirena, from management to the workers, enjoys working with the Euroresins team.”

“Our cooperation with Sirena already started in 2009 when they were still at their old site in Bursa. Their new plant in Orhangazi has the technology plus the experienced and skilled staff necessary for further substantial growth” comments Mrs. Çiğdem Cumhuri, Territory Sales Manager at Euroresins Turkey.

“We have never seen Sirena as a mere customer, they have always been a partner with whom we have had a great relationship on a personal level, too. I look forward to working with them to develop the new boat, which will hopefully be awarded the *“Best Boat”* prize in the coming years. We are very happy that we could contribute to the great success of Sirena,” concludes Mr. Riccardo Fontana, Expertise Manager Marine of Euroresins Europe.

www.sirenamarine.com

Plugs and Patterns

Plugs and patterns are *“the heart”* of any industry – also in Marine. When plugs are perfect, the mould will be perfect and the mouldings as well. Only then can you avoid long and expensive restoring activities. Our product portfolio includes a complete range of products that optimise this process. Primers, sealers and lacquers will provide the perfect surface quality you are looking for, are easy to apply and guarantee a high gloss.

Gelcoats

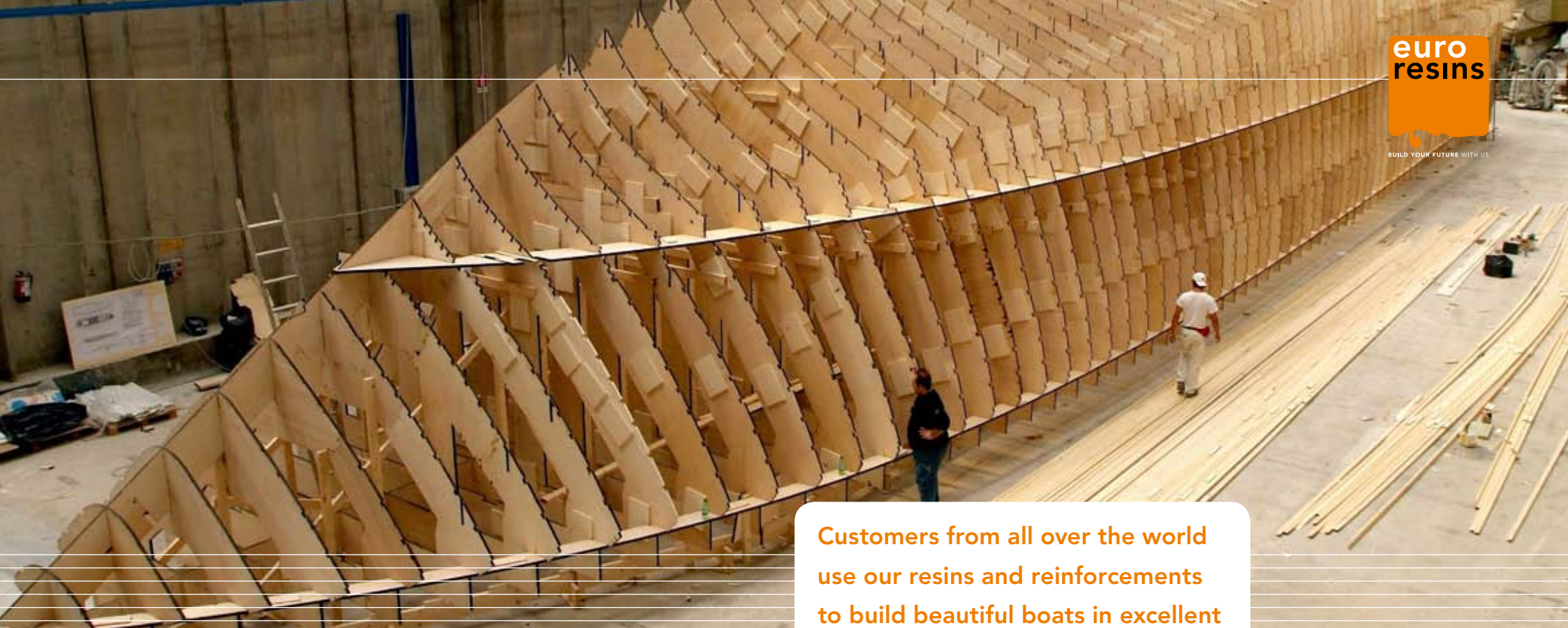
Gelcoats are made from high quality resins, pigments, fillers and additives to provide the desired properties, color and surface appearance. The gelcoat can be clear, white or pigmented according to your requirements to provide a perfect surface and to protect against all external influences such as sunlight, temperature changes and long term natural water exposure.

Euroresins can offer a full range of colors and volume. More than 2000 colors are available and due to our partnership with BÜFA, we can offer from very large bathsizes – up to 20 tons – up to 25 kg pails, using the Eurotinter technology.

Euroresins offers a wide range of products from mould-making to boatbuilding with excellent properties that cover any application. Many of our gelcoat products are approved by the international marines standards such as Lloyds, DNV and RINA.

Resins

Spray Up and Hand Lay Up are still the most widely used application methods for resins in boat building. Our partnership with DSM Composite Resins – market leader in UPR – provides Euroresins with an extensive range of excellent polyester resins. The portfolio comprised formulations based on Vinyl esters, Iso Phthalic, Ortho Phthalic and DCPD resins as well as other special products. Customers from all over the world use our resins to build beautiful boats in excellent quality. For many of our resins Euroresins can provide approvals by the international marines standards such as Lloyds, DNV and RINA.



Customers from all over the world use our resins and reinforcements to build beautiful boats in excellent quality.



Euroresins not only complies with international regulations but also puts a focus on safety.

Bonding Pastes

Euroresins offers a wide range of bonding pastes, putties and glues that cover all applications from mould-making to finishing and even structural parts. Glass fibre-reinforced and standard products with approvals from the main European certification institutes are available.

Fire-Retardant Resins

For more safety on board – Safety on board is today already important, but we expect that in the future the safety requirements for boat building will become more stringent. Euroresins offers a wide range of possibilities to improve safety on board with our fire retardant resins range from our partner BÜFA Gelcoat plus, complying with the most stringent international regulations. Any area on board where there is elevated temperature – e.g. the engine room or the kitchen – or where there is fuel - e.g. the fuel tank and engine room, safety on board can be improved using the wide range of our fire retardant resins. Normally in cases of fire, every second counts and therefore we suggest to use the best materials possible for the parts where they are needed. Your future boat customers surely will appreciate.

Release Agents

The importance of release agents during the production of a boat or a mould must not be underestimated. Euroresins can provide you with a wide range of products, from honey wax to semi-permanent release agents, that give you the best possible results for demoulding, gloss and productivity. Our technical staff will gladly support you in choosing the best solutions for your particular requirements.

Azimut Yachts and Euroresins – 10 years of cooperation

The Azimut-Benetti Group is the leading and most prestigious builder of mega yachts in the world. The Group operates in 68 countries throughout the world via a sales network comprising 138 sites. Azimut-Benetti owns the prestigious Azimut Yachts, Benetti and Atlantis brands, each dedicated to a specific segment of the nautical market. The Group also includes Fraser Yachts, a brand leader in the services sector.

Euroresins has enjoyed a long and close partnership with Azimut Yachts and celebrated the 10th year of cooperation. “Azimut Yachts has never been seen as just a customer,” said Fabrizio Bianchi, Account Manager, “rather we see them as a partner.”

Technical service, commercial assistance and logistical support all help to strengthen this long-lasting partnership.

“Azimut Yachts is an innovative leader, and we have supported and will continue to support this innovation by working closely with them and our principals to find the best possible solution that fits their needs,” stated Riccardo Fontana, Expertise Manager Marine. “We will continue to steer our close cooperation along the same road in future as well.”

www.azimutyachts.com



We will continue to steer our close cooperation along the same road in future.



Perfect demoulding time after time.

ChemTrend Semi-Permanent Release Agents

Chemlease® Cleaner	Tailored for removing wax and semi-permanent release agents from moulds
Chemlease® Sealer	Different types available. Provides excellent performance and creates a high-quality surface, filling all gaps and holes
Chemlease® SK 3	Efficient and very fast-drying. Can be sprayed, gives high gloss surfaces
Chemlease® 75	Suitable for large surfaces, fast-drying and gives an excellent gloss
Chemlease® 2185	New generation of release agents suitable for different applications (moulds and finished parts). High gloss and productivity

SPC Product line

SPC Kanstik® Wax	Carnauba wax, suitable in combination with PVA
SPC Honeywax Plus	For high temperature applications like RTM, high gloss
SPC Honeywax	Special product, with carnauba wax and a special product for optimal distension
SPC Kanstik Sealer Self Cleaning	To produce optimal surfaces, luster and superior smoothness
SPC Kanstik Release Self Cleaning	Semi-permanent release agent. Provides easy release and accurate surface reproduction
SPC Kanstik High Slip Self Cleaning	Semi-permanent release agent with extra slip features, allows multiple releases

SPC Kanstik Cure Fast 2	Semi permanent release agent
SPC Kanstik Mould Cleaner	Mould cleaner, mild good cleaning properties
SPC Kanstik EP wax	Soft sealing wax for edges
SPC Kanstik Honeywax liquid	Cleans and waxes moulds
SPC Kanstik Honeywax 100	Specially tailored for new moulds

FARECLA® Cutting Pastes & Polishing Agents

FARECLA® Profile 100	For mould and finished parts, medium cutting properties, ideal for VE tooling gelcoat
FARECLA® Profile 200	Good gloss and milder cutting properties. Ideal for finishing moulds and parts
FARECLA® Profile 300	Finishing paste with high gloss. Can be used in combination with P 100
FARECLA® Profile UV Wax	Protective wax, UV-stabilised. Easy to apply, increases the UV protection of the boat. High gloss

Ancillary Products

Euroresins can also provide you with a complete range of ancillary products, such as paraffin solutions, accelerators, promoters, inhibitors, PVA, core materials, fibres and other equipment.

Catalysts

Euroresins works closely with its partners to develop specific catalysts that are tailor-made for Marine applications. Osmosis, yellowing, weathering, non-homogeneous reactivity and foaming can be avoided in your production process.

Rhodiasolv IRIS the eco-friendly cleaning agent

Euroresins also offers a completely eco-friendly and safe cleaning system based on the solvent substitute Rhodiasolv IRIS. It is up to 80% recyclable, non-toxic, non-VOC and can replace acetone completely in your workshop. In addition to being more efficient than water-soluble solvent substitutes, Rhodiasolv IRIS can

be used with all resins and gelcoats without any quality issues. Euroresins also offers cleaning stations and recycling machines to support a more efficient and cost-effective application of Rhodiasolv IRIS.

Tips & Tricks

Issue	Possible cause and remedy
Dullness	Check level of catalysts or temperature of working environment. Also check release agent.
Print-through	Under-polymerisation of gelcoats or too much resin used for first layers (high peak). Let gelcoat cure well and check ratio of resin to fibres.
Pre-release	Check release agent used and correct time of application. Check ratio of resin to glass fibres.
Delamination	Contamination. Dust or too much time has passed between the application of the different layers. Only use correct formulated products.
Drainage	Long gel time, high temperature. Increase catalyst level and use thixo agents.
Air bubbles	Poor roll out, viscosity of the resin too high. Add styrene and improve application.





“The expert technical and commercial support from Euroresins helps us to be successful.”

Karnic Powerboats Limited and Euroresins

Karnic Powerboats Limited is one of the most successful companies in the East Mediterranean area. It was founded in 1993 and is based in Limassol, Cyprus. The company has been experiencing high growth over the last decade and has recently made major investments in product development, the expansion of their facilities and the implementation of a completely new production system. This production system relies on the high accuracy associated with preparing and delivering parts and includes more than 100 quality control checks. The company is technologically advanced, with CNC robotic equipment for the preparation of prototypes, closed mould methods for the production of numerous components and innovative methods to refine production processes.

Karnic's partnership with Euroresins started in 2008. In the last 3 years, Euroresins strengthened this relationship by providing solutions in all application areas – from mould making to boat production.

“Our relationship with Euroresins is profitable, with respect to the business as well as the human side,” says Mr. Nick Karaolis, CEO of the company. “Despite the geographical distance from Europe which can be an issue, Euroresins was and is always capable of managing logistical issues and, on top of that, is always able to provide a solution when we need it.”

“Testing innovative products and solutions to improve quality, safety and customers' satisfaction is a must for us,” comments Mr. Karaolis, “and the expert technical and commercial support from Euroresins helps us to be successful with our projects.”

“We are proud to have such a motivating company ‘on board’,” states Riccardo Fontana, Expertise Manager Marine at Euroresins. “We will also continue to support Karnic as a partner in future, giving them all the support they need to succeed in their business.”

www.karnicboats.com

Marine Products

APPLICATIONS AND PRODUCTS

CHARACTERISTICS

Plugs and Patterns

PERFECTPLUG EASY SEALER PP01	Sealer, low viscous, allows good bonding and prevent interlaminar adhesion. Suitable for different substrates
PERFECTPLUG SURFACE PRIMER PP 03	Primer developed for any surface, gives excellent adhesion
PERFECTPLUG SMOOTH SANDING PRIMER PP04	Grey sprayable primer for plugs and patterns. No special devices are required for application. Standard MEKP used
PERFECTPLUG HEAVY DUTY SANDING PRIMER PP05	Creamy sprayable primer ideal for rough or uneven surfaces
PERFECTPLUG HIGH GLOSS PP02	Pre-accelerated UP laquer for plug finishing. Available in black and green. Standard MEKP can be used. It gives excellent gloss and styrene resistance

APPLICATIONS AND PRODUCTS

CHEMISTRY

THIXO

T MAX (°C)

HDT (°C)

ELONGATION (%)

APPROVALS

CHARACTERISTICS

Mould Making

NEOGEL® VE 8393 SPRAY	VE	YES	-	130	> 3	-	Top quality VE gelcoats tailored for moulds productions. Available in 4 colours
NEOGEL® VE 8394 BRUSH	VE	YES	-	130	> 3	-	Top quality VE gelcoats tailored for moulds productions. Available in 4 colours
BÜFA® VE-TOOLING-GELCOAT S	VE	YES	-	130	> 3	-	High quality VE spray gelcoats tailored for moulds productions, available in black, green, orange, grey
BÜFA® VE-TOOLING-GELCOAT H	VE	YES	-	130	> 3	-	High quality VE brush gelcoats tailored for moulds productions, available in black, green, orange, grey
NEOMOULD® 1982-S-1	DCPD		125-155	80	-	-	Low profile resin (zero shrinkage) for excellent finishing quality
ATLAC® 580 ACT	VEU	YES	125-155	> 110	> 4	RINA	Top quality VE resin, excellent mechanical properties and dimensional stability
ATLAC® MA 6325	VE	YES	125-155	105	2-3	-	Excellent curing behavior with good mechanical properties

Marine Products

APPLICATIONS AND PRODUCTS	CHEMISTRY	THIXO	T MAX (°C)	HDT (°C)	ELONGATION (%)	APPROVALS	CHARACTERISTICS
Special Product							
ATLAC® E COAT 65	LS	YES	-	-	-	-	Barrier coat, it gives excellent finishing quality. Not only for moulds
SYNOLITE® 8175-W-1							Fire retardant resins, suitable as last layer (eg engine room) to increase fire retardancy and therefore safety
BÜFA® FIRESTOP	VE	YES	-	-	-	-	Topcoat FR gelcoat, suitable as finishing for parts which require fire retardancy
Tie Coat							
ATLAC® 580 ACT	VEU	YES	125-155	> 110	> 4	RINA	Top quality VE resin, excellent mechanical properties and dimensional stability
ATLAC® MA 6325	VE	YES	125-155	105	2-3	-	Excellent curing behavior with good mechanical properties
OLDOPAL® 101	ISO/NPG	YES	145-185	70	2.5	LLOYDS	
Gelcoats							
NEOGEL® NPG 8373 SPRAY	ISO/NPG	YES	-	95	> 3	DNV	For high chemical, thermal or hydrolytic loads, high gloss and osmosis resistance
NEOGEL® NPG 8375 BRUSH	ISO/NPG	YES	-	95	> 3	DNV	For high chemical, thermal or hydrolytic loads, high gloss and osmosis resistance
BÜFA® MARINE NPG GELCOAT SPRAY	ISO/NPG	YES		95	> 3	DNV	For high chemical, thermal or hydrolytic loads, high gloss and osmosis resistance
BÜFA® MARINE NPG GELCOAT BRUSH	ISO/NPG	YES		95	> 3	DNV	For high chemical, thermal or hydrolytic loads, high gloss and osmosis resistance
BÜFA® MARINE NPG TOPCOAT BRUSH	ISO/NPG	YES		95	> 3	DNV	For sealing parts subjected to high chemical, thermal or hydrolytic loads
BÜFA® MARINE NPG SPACHTEL	ISO/NPG	YES			> 3		Filler for sealing and repairing parts strongly weathered or subjected to hydrolysis loads
NEOGEL® ECO 9373	ISO/NPG	YES		95	3.5	-	Gelcoat for swimming pools/boat construction/exterior parts, very low emission
BÜFA® STANDARD GELCOAT SPRAY	ISO/ORTHO	YES		80	6.5	GL	Internal parts, industrial moulded parts, low-styrene
BÜFA® STANDARD TOPCOAT BRUSH	ISO/ORTHO	YES		80	6.5	GL	Sealant for industrial moulded parts that are not permanently subjected to water loads

Marine Products

APPLICATIONS AND PRODUCTS	CHEMISTRY	THIXO	T MAX (°C)	HDT (°C)	ELONGATION (%)	APPROVALS	CHARACTERISTICS
Lamination Hulls and Decks HLU/SU							
ATLAC® 580 ACT	VEU	YES	125-155	> 110	> 4	RINA	Top quality VE resin, excellent mechanical properties and dimensional stability. Suitable also in combination with carbon fibers
ATLAC® MA 6325	VE	YES	125-155	105	2-3	-	Excellent curing behavior with good mechanical properties
OLDOPAL® 102	ORTHO	YES	60-90	70	2	LLOYDS	
PALATAL® P4 TV	ORTHO	YES		93	2	DNV, LLOYDS	Contains paraffin to avoid tackiness and prevent styrene emission
PALATAL® U 541 TV	ORTHO	YES				DNV, LLOYDS	LSE, Good workability, low peak, mild reactivity
PALATAL® U 570	ORTHO	YES	120-150	90	2.4	DNV, LLOYDS	LSE, High Tg
SYNOLITE® 0188	ORTHO	YES		60	2	DNV, LLOYDS, RINA	Good workability, low peak, mild reactivity
SYNOLITE® 0288	ISO	YES		75	2.5	DNV, LLOYDS, RINA	
SYNOLITE® 0188	ORTHO	YES		60	2	DNV, LLOYDS, RINA	Good workability, low peak, mild reactivity
SYNOLITE® 0288	ISO	YES		75	2.5	DNV, LLOYDS, RINA	
SYNOLITE® 1389	ISO/VE	YES		90	3.5	RINA	New generation for hulls and decks. Low shrinkage and exo peak. Good Mechanical properties and osmosis resistance
SYNOLITE® 280	ISO	YES		85	7	RINA	Excellent cutting on thin layer. Very good for swimming pools production
SYNOLITE® 3720	ISO	YES				-	
SYNOLITE® 6060	ORTHO	YES		62	2.2	-	LSE
SYNOLITE® 8388	DCPD	YES		70	2.5	RINA	Good wettability, wet on wet application, low shrinkage
Infusion Resins							
ATLAC® 580 AC 300	VEU	NO		115	3.5	-	Pure VE for infusion. Lower peak with Trigonox 249. Excellent mechanical properties. Can be used also with carbon fibers

Marine Products

APPLICATIONS AND PRODUCTS	CHEMISTRY	THIXO	T MAX (°C)	HDT (°C)	ELONGATION (%)	APPROVALS	CHARACTERISTICS
Infusion Resins							
ATLAC® E-NOVA MA 6215	VE	NO		105	2.3	-	Excellent flowing properties and wettability. Good mechanical properties and osmosis resistance
SYNOLITE® 1389	ISO/VE	NO		90	4	-	New generation for hulls and decks. Low shrinkage and exo peak. Good Mechanical properties and osmosis resistance
SYNOLITE® 1967	DCPD	NO		85	2.3	DNV	Very good flowing properties. Suitable also for RTM application
SYNOLITE® 8488	DCPD	NO		85	3	RINA	Very good flowing properties. Suitable also for RTM application
SYNOLITE® 8588	DCPD	NO		70	2.5	RINA	Low viscosity, also for RTM
Bonders, Putties and Fillers							
BÜFA® BOND 740-0110	VE	YES		70	3.7		Bonder with excellent mechanical properties
BÜFA® BOND 740-0139	THP	YES		-	3.8		Suitable also for metal and wood
BÜFA® BOND 740-0590	ISO	YES		93	2.8		Reinforced with fibers, for structural applications
BÜFA® BOND 740-0181	THP	YES		60	2.5		Suitable for wet on wet application on laminates
BÜFA® BOND 740-0001	THP	YES					High viscous, tailored for mould making
BÜFA® BOND 740-0002	THP						Spray, tailored for finishing plugs and moulds
BÜFA® BOND 740-0051	ORTHO	YES		3.4			For sandwich application. With colour changing mechanism
BÜFA® BOND 740-0072	ORTHO	YES		3.4			For sandwich applications
BÜFA® BOND 740-4400	ORTHO	YES					For structural applications
Special products							
BÜFA® Release Lacquer							PVA solution in water for mould application

European Headquarters and Customer Service Centre

Euroresins Europe Holding GmbH & Co. KG

Stubbenweg 38
26125 Oldenburg, Germany
Phone +49 441 885 38 40
Fax +49 441 885 38 429

Euroresins Benelux BV

Meemortel 47b
6021 AD Budel, Netherlands
Phone +31 495 584 910
Fax +31 495 584 920

Euroresins France s.a.s.

Avenue du Vermandois
60200 Compiègne, France
Phone 0820 82 51 01
Fax +33 820 829 089

Euroresins Italia S.r.l.

Via G. Di Vittorio
20090 Segrate (MI), Italy
Phone +39 022 164 1
Fax +39 022 164 464

Euroresins Scandinavia AS

Varvsväsgen 113, PO Box 619
26126 Landskrona, Sweden
Phone +46 418 566 90
Fax +46 418 566 99

Euroresins Scandinavia AS

Standvejen 50
1366 Lysaker, Norway
Phone +47 675 161 70
Fax +47 675 161 71

Euroresins Spain S.A.

C/ Gran Via, 872 2ª planta
08018 Barcelona, Spain
Phone +34 935 886 801
Fax +34 935 887 557

Euroresins UK Ltd.

Cloister Way, Bridges Road
Ellesmere Port, Cheshire CH65 4EL
United Kingdom
Phone +44 151 348 88 00
Fax +44 151 348 88 06

Euroresins Kompozit Ürünler Ticaret Ltd. Sti.

Rüzgarlıbahçe, Toyota K. Plaze Kat: 7
Kabacık 34810 Istanbul, Turkey
Phone +90 216 538 12 00
Fax +90 216 680 08 02

BÜFA Composites Finland Oy

Lars Sonckin Kaari 16 Terra house
02600 Espoo, Finland
Phone +358 207 312 600
Fax +358 207 312 601

BÜFA Composites Baltic Oü

Pärnu Mnt. 130-3
11317 Tallinn, Estonia
Phone +372 534 135 45
Fax +372 660 50 10

BÜFA Composites GmbH & Co. KG

Stubbenweg 38
26125 Oldenburg, Germany
Phone +49 441 885 384 0
Fax +49 441 885 384 29

Baltazar Kompozyty SP. z o.o.

Ul. Starogardzka 42-44 bud. A
83-010 Straszyn, Poland
Phone +48 58 691 75 74
Fax +48 58 691 01 85

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