BÜFA

From Standard to Special: Innovative Polyester Resin Specialties

Composites

Dear Valued Partner,

welcome to BÜFA Composite Systems! Discover with us the future of Composites!

As industry leaders, our strength lies not only in the production of specialties based on reactive resins for the composite industry, but also in our role as a strategic distribution partner across Europe. BÜFA is not just another supplier; BÜFA is your all-in-one solution for the Composite Industry.

As a family-owned enterprise, we hold ourselves to the highest ethical standards. And for us, innovation is not limited to our products but extends to our relationships with employees, partners, and customers, as well as our ongoing commitment to environmental sustainability.

At BÜFA Composite Systems, we're driving the future through sustainable practices, cutting edge product innovation, and digital transformation in the chemical industry.

Our product portfolio is extensive, covering e.g. gelcoats, topcoats, resins, high-performance adhesives, lightweight, tooling and fire protection systems that suit a multitude of applications. To elevate your options, we provide a select range from our premium partners in the various sales offices across Europe to ensure you get the best materials for every project. We've mastered the chemistry so you can focus on creating exceptional products.

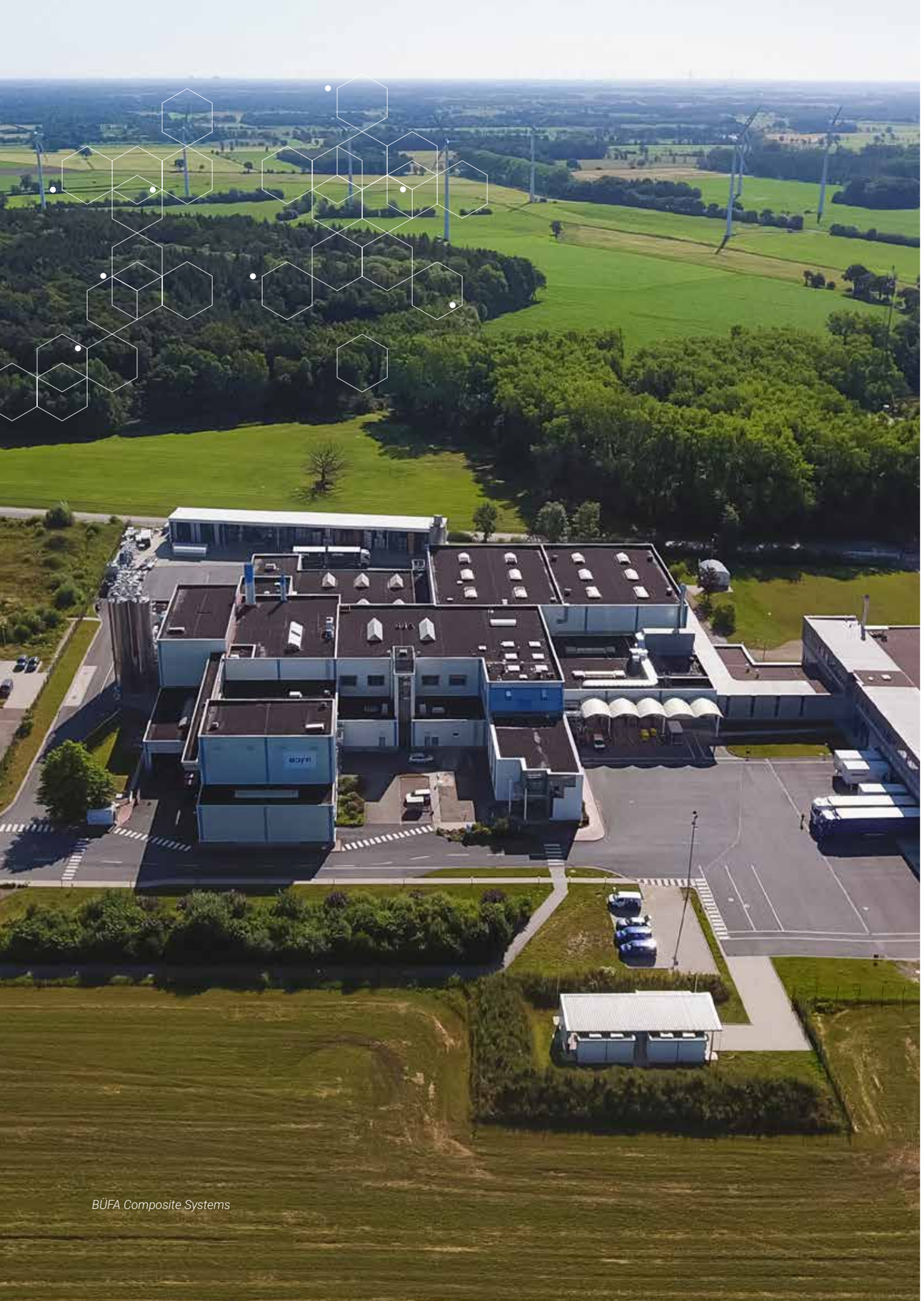
Explore this brochure with a product lineup of products we manufacture in Germany and UK to discover how we can elevate your next project. We're excited to work with you on your next project offering a streamlined selection of our products, showcasing their unique properties designed to meet the industry's diverse challenges. We also stand ready to tackle your challenges, offering customized solutions to meet your specific needs. Through joint efforts, there's no challenge we cannot overcome together.

Our expertise can enhance your capabilities.

Lothar Kempf and your BÜFA Team

Lothar Kempf, Managing Director

BÜFA is Member of the Following Organisations:



BÜFA Composite Systems

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Composites

UP- & VE-Resins, Epoxy Resin Systems 6 – 11

Gelcoats & Topcoats 12 – 23

Bonding Pastes 24 – 29

Pigment Pastes 30 – 35

Sustainable Products 36 – 45

Initiators 46 – 51

Release Agents, Additives & Ancillaries 52 – 57

Reinforcements, Core & Non-woven Materials 58 – 61

Fire Retardant Systems 62 – 67

Tooling Systems 68 – 71

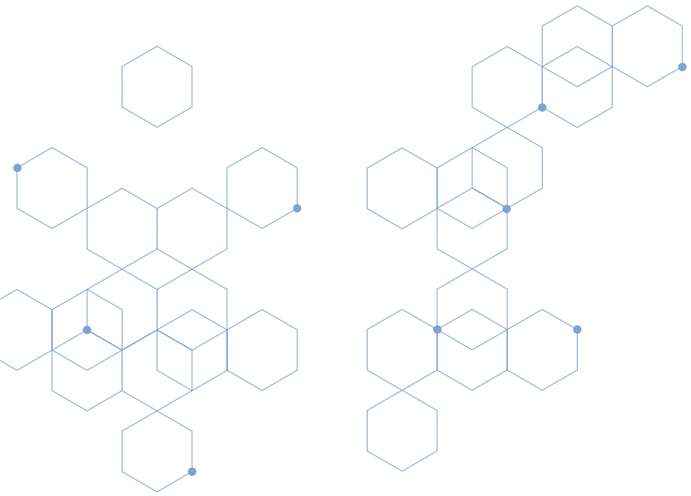
Conductive Systems 72 – 75

Foaming Resin Systems 76 – 79

BÜFA Tec 80 - 83

BÜFA Distributions 84 - 85

Abbreviations 86



BÜFA

UP- & VE-Resins, Epoxy Resin Systems

High-Quality Matrix Resins

Composites

UP- & VE-Resins, Epoxy Resin Systems

High-Quality Matrix Resins

BÜFA®-UP- & VE-Resins are versatile, heat-resistant, and suitable for processes like hand lamination to vacuum-infusion. Perfect for different industries from automotive and marine to railway industry. With the AOC partnership, we guarantee the „best-fit“ for all applications. At BÜFA, we value research & development, sustainability and working with our customers.

BÜFA®-Epoxy Resin Systems are premium, customizable solutions in our range. Leveraging BÜFA's R&D capabilities, we can tailor these systems to specific customer needs. Our advanced laboratories facilitate quick adjustments for optimized processing and the potential for reduced production times.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

Bestfit: AOC Trusted Solutions

BIO-Resins and Styrene-Free Resins

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-ECO-Resin UP 6889 biobased	7006889	ITA	HLU / RTM	70 % renewable in styrene	Automotive / Marine
BÜFA®-ECO-Resin UP 2020 HLU styrene free	7002020	Ortho	HLU	Styrene-free in Vinyltoluolene	Automotive / Marine

Hand Lay-Up

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin UP 0426 HLU	7000426	ISO	HLU	High hydrolysis resistance, pre-accelerated	Tanks & Pipes
BÜFA®-Resin UP 0428 HLU	7000428	ISO/NPG	HLU	High hydrolysis resistance, pre-accelerated	Tanks & Pipes
BÜFA®-Resin VE 0044 HLU	7000044	VE	HLU	Highest chemical resistance, pre-accelerated	Tanks & Pipes / Swimming Pools

RTM / Resin Infusion / Vacuum Injection

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin VE 4360 RTM	7004360	VE	Injection/Infusion	High chemical resistance, very good mechanical properties	Tanks & Pipes
BÜFA®-Resin VE 6520 RTM	7006520	VE	Injection	Class A - filled, high HDT	Automotive
BÜFA®-Resin VE 6580 RTM	7006580	VE	Infusion	Class A - filled, high HDT	Automotive / Marine
BÜFA®-Resin UP 6668 RTM	7006668	Ortho	Injection	High HDT	Automotive
BÜFA®-Resin UP 6601 RTM	7006601	Ortho	Injection Compres-sion Moulding	High HDT	Automotive
BÜFA®-Resin UP 6725 RTM Foaming	7006725	Ortho	Injection	Lightweight construction / Foaming resin	Automotive

Chemically Resistant Applications

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin VE 0044 HLU	7000044	VE	HLU	Highest chemical resistance	Tanks & Pipes
BÜFA®-Resin UP 0424 HLU	7000424	ISO/NPG	HLU	High hydrolysis resistance, not pre-accelerated	Tanks & Pipes
BÜFA®-Resin UP 0428 HLU	7000428	ISO/NPG	HLU	High hydrolysis resistance, not pre-accelerated	Tanks & Pipes

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Casting Applications and Filled Systems

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin UP 0105 CST	7000105	Ortho	Polymer concrete	Not preaccelerated	Sanitary
BÜFA®-Resin UP 0259 CST	7000259	Flex-UP-Resin	Casting	Flexible	Marine
BÜFA®-Resin UP 0803 CST transparent	7000803	ISO	Casting	UV-stable, transparent	Building & Construction
BÜFA®-Resin UP 0810 CST transparent blue	7000810	ISO	Casting	UV-stable, transparent	Building & Construction
BÜFA®-Resin VE 0812 CST	7000812	ISO	Casting	UV-stable, transparent	Building & Construction
BÜFA®-Resin UP 1031 CST	7001031	Ortho	Casting	High impact strength	Swimming Pools

Tooling Resins

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin VE 0910	7000910	VE	HLU	Tiecoat, optional for highly stressed mould tools	All
BÜFA®-Resin VE 7100 Tooling	7007100	VE	HLU / FSU	ClassA Rapidtooling-Resin, zero-shrinkage, 120° C, filled	All
BÜFA®-Resin VE 6699 Tooling	7006699	VE	RTM / Infusion	Class A Rapidtooling-Resin, zero-shrinkage, 120 °C, unfilled	All
BÜFA®-Resin VEU 1978 HLU	7001978	VEU	HLU	Tooling Resin, high temperature 140 °C	All

Filament Winding Process

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin UP 0123 PVC adhesion	7000123	Ortho ISO	HLU	PVC Coupling Resin	Tanks & Pipes
BÜFA®-Conductive-Resin UP 1430	7211430	VE	HLU	CNT, Conductive GRP	Tanks & Pipes

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Halogen-Free Fire Retardant Resins

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Firestop 8175-W-1	7168175	DCPD	HLU/ Infusion	Fire retardant resin	Sanitary
BÜFA®-Firestop S 425	7160425	DCPD	Infusion	Fire retardant resin	Railway
BÜFA®-Firestop S 440	7160440	VE	Infusion	Fire retardant resin	Railway
BÜFA®-Firestop S 520-NV	7160521	DCPD	Injection	Fire retardant resin	Railway
BÜFA®-Firestop 5001-W-2	7165002	DCPD	HLU	Standard laminating resin, Fire retardancy ATH	Railway
BÜFA®-Firestop S 570	7160570	DCPD	HLU	Low emission, Fire retardant resin	Railway
BÜFA®-Firestop S 585	7160585	VE	Infusion	Class A, Fire retardant resin	Railway
BÜFA®-Firestop EP S 108	7975108	EP	Wet Pressing	Epoxy Fire retardant resin	Automotive

ACR Resins

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin UP 0542 ACR	7000542	OP	FSU	Backfilling resin, unfilled	Sanitary / Swimming Pools
BÜFA®-Resin UP 0113 ACR	7000113	OP	FSU	Backfilling resin, filled	Sanitary / Swimming Pools
BÜFA®-Resin UP 0119 ACR	7000119	OP + rPET	FSU	Backfilling resin rPET, filled and rPET based	Sanitary / Swimming Pools

Foaming Resins

Product name	Item no.	Resin Base	Application	Characteristics	Main Industry
BÜFA®-Resin UP 7312 MC Foaming	7007312	OP	Compression Moulding	Foaming resin, gel time: 12 min / Foaming Agent needed	Automotive
BÜFA®-Resin UP 7325 MC Foaming	7007325	OP	Compression Moulding	Foaming resin, gel time: 30 min / Foaming Agent needed	Automotive
BÜFA®-Resin UP 7355 MC Foaming	7007355	OP	Compression Moulding	Foaming resin, gel time: 60 min / Foaming Agent needed	Automotive
BÜFA®-Firestop S 910 Foaming Resin	7960910	OP	Compression Moulding	Fire retardant/ Foaming resin, gel time: 30 min / Foaming Agent needed	Railway / Transportation
BÜFA®-Resin UP 6725 RTM Foaming	7006725	OP	Injection	Foaming resin, gel time: 30 min / Foaming Agent needed	Automotive

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Gelcoats & Topcoats

High-Gloss Surfaces

Composites

Gelcoats & Topcoats

High-Gloss Surfaces

As Europe's leading manufacturer we specialize in the production of Gelcoats and Topcoats tailored to your composite requirements. Outstanding performance in terms of gloss, surface finish, chemical resistance, conductivity and e. g. fire protection is our commitment. Discover our constantly growing range of sustainable products.

For faster production and flawless surfaces, rely on BÜFA®-Tec's sophisticated machinery.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

BÜFA®-Standard

Product name	Item no.	Standard Applications	Colour	Resin base	Application	Setting	Industry	Approvals	Characteristics
BÜFA® Standard Gelcoat S nature	5640001	764-Gelcoat-S with colour code 564-Gelcoat-S with colour code (Eurotinter)	Practically unlimited	OP/IP	Gelcoat for standard application	Spray quality	Wind Energy / Transportation	DNV-Standard GC/TC --> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Gelcoat-H nature	5650001	765-Gelcoat-H with colour code 565-Gelcoat-H with colour code (Eurotinter)	Practically unlimited	OP/IP	Gelcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC --> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Topcoat-S pure white BF-09010-T	5669060	766-Standard-Topcoat-S with colour code 566-Standard-Topcoat-S with colour code (Eurotinter)	Practically unlimited	OP/IP	Topcoat for standard application	Spray quality	Wind Energy / Transportation	DNV-Standard GC/TC --> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water
BÜFA®-Standard-Topcoat-H nature	5670001	767-Standard-Topcoat-S with colour code 567-Standard-Topcoat-S with colour code (Eurotinter)	Practically unlimited	OP/IP	Topcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC --> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water
BÜFA®-Standard-Gelcoat brush nature	7680001	768-Gelcoat-B with colour code 568-Gelcoat-B with colour code (Eurotinter)	Practically unlimited	OP/IP	Gelcoat for standard application	Brush quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Topcoat-B 7013 elephant grey 18B25 BF-77013-T	5697753	769-Topcoat-B with colour code 569-Topcoat-B with colour code (Eurotinter)	Practically unlimited	OP/IP	Topcoat for standard application	Brush quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water
BÜFA®-Standard-Gelcoat-S-BF-00800-E-white	3200800	x20-Gelcoat-S with colour code NEW	Practically unlimited	OP/IP	Gelcoat for standard application	Spray quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Gelcoat-H-BF-00800-I-white	3210800	x21-Gelcoat-H with colour code NEW	Practically unlimited	OP/IP	Gelcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Topcoat-S-nature	3220001	x22-Topcoat-S with colour code NEW	Practically unlimited	OP/IP	Topcoat for standard application	Spray quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water
BÜFA®-Standard-Topcoat-H-nature	3230001	x23-Topcoat-H with colour code NEW	Practically unlimited	OP/IP	Topcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water
BÜFA®-Standard-Gelcoat-B-BF-00800-T-white	4092509	x09-Gelcoat-H with colour code (2501 - 2999) NEW	Practically unlimited	OP/IP	Gelcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Gelcoat for machine- and technical parts, low-styrene
BÜFA®-Standard-Topcoat-B-BF-77013-T-Elephant grey 18B25	4112512	x11-Topcoat-H with colour code (2501 - 2999) NEW	Practically unlimited	OP/IP	Topcoat for standard application	Hand quality	Wind Energy / Transportation	DNV-Standard GC/TC--> TAK0000171 - Rev. 1	Topcoat for machine- and technical parts, low-styrene, sealing of technical parts that are not permanently exposed to water

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BÜFA®-Sanitary

Product name	Item no.	Industry and Special Applications	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-Sanitary-Gelcoat-S nature	5120020	712-Gelcoat-S with colour code 512- Gelcoat-S with colour code (Eurotinter)	Limited	IP / NPG	Gelcoat for sanitary application	Spray quality	Sanitary	Gelcoat for technical and industrial parts
BÜFA®-Sanitary-Gelcoat-P200-S-A-BF-90167-white 03	2120120	x12-Gelcoat-S with colour code (0001 - 0399)	Limited	IP / NPG	Gelcoat for sanitary application	Spray quality	Sanitary	Gelcoat for technical and industrial parts

BÜFA®-Sanitary SR

Product name	Item no.	Industry and Special Applications	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-Sanitary-Gelcoat-S nature	7129053	712-Gelcoat-S with colour code 512-Gelcoat-S with colour code (Eurotinter)	White colours	IP / NPG	Gelcoat for sanitary application	Spray quality	Sanitary	Sanitary gelcoat with improved scratch resistance
BÜFA®-Sanitary-Gelcoat-P200-S-A-BF-90167-white 03	2120424	x12-Gelcoat-S with colour code (0400 - 0799)	White colours	IP / NPG	Gelcoat for sanitary application	Spray quality	Sanitary	Sanitary gelcoat with improved scratch resistance

BÜFA®-ISO-3000

Product name	Item no.	External Applications with UV-Resistance	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-ISO-Gelcoat 3000-S nature	5710001	771-Gelcoat-S with colour code 571-Gelcoat-S with colour code (Eurotinter)	Practically unlimited	IP	Exterior application with UV resistance	Spray quality	Automotive / Transportation	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-ISO-Gelcoat 3000-H nature	5720001	772-Gelcoat-H with colour code 572-Gelcoat-H with colour code (Eurotinter)	Practically unlimited	IP	Exterior application with UV resistance	Hand quality	Automotive / Transportation	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-ISO-Topcoat 3000-S white BF-91045-T	5739155	773-Gelcoat-S with colour code 573-Gelcoat-H with colour code (Eurotinter)	Practically unlimited	IP	Exterior application with UV resistance	Spray quality	Automotive / Transportation	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-ISO-Topcoat 3000-H transparent	5740001	774-Gelcoat-H with colour code 574-Gelcoat-H with colour code (Eurotinter)	Practically unlimited	IP	Exterior application with UV resistance	Hand quality	Automotive / Transportation	Gelcoat with very good weather resistance and high gloss retention

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BÜFA®-GC/TC-ISO-3000

Product name	Item no.	External Applications with UV-Resistance	Colour	Resin base	Application	Setting	Industry	Approvals	Characteristics
BÜFA®-Gelcoat-ISO-3000-S-A-nature	2240001	x24-Gelcoat-S with colour code	Practically unlimited	IP	Exterior application with UV resistance	Spray quality	Automotive / Transportation	DNV-GC/TC-ISO-3000 --> TAK000029S - Rev. 1	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-Gelcoat-ISO-3000-H-A-nature	2250001	x25-Gelcoat-H with colour code	Practically unlimited	IP	Exterior application with UV resistance	Hand quality	Automotive / Transportation	DNV-GC/TC-ISO-3000 --> TAK000029S - Rev. 1	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-Topcoat-ISO-3000-S-A-BF-09010-I-pure white	3269010	x26-Topcoat-S with colour code	Practically unlimited	IP	Exterior application with UV resistance	Spray quality	Automotive / Transportation	DNV-GC/TC-ISO-3000 --> TAK000029S - Rev. 1	Gelcoat with very good weather resistance and high gloss retention
BÜFA®-Topcoat-ISO-3000-H-A-nature	3270001	x27-Topcoat-H with colour code	Practically unlimited	IP	Exterior application with UV resistance	Hand quality	Automotive / Transportation	DNV-GC/TC-ISO-3000 --> TAK000029S - Rev. 1	Gelcoat with very good weather resistance and high gloss retention

BÜFA®-Ambition

Product name	Item no.	External Applications with UV-Resistance	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-Ambition-Gelcoat-S pure white BF-09010	7449910	744-Gelcoat-S with colour code - no Tinting	Limited	IP	Exterior application with UV resistance	Spray quality	Automotive / Transportation	Gelcoat for technical and industrial parts
BÜFA®-Ambition-Gelcoat-H Liebherr white BF-90843	7459843	745-Gelcoat-H with colour code - noTinting	Limited	IP	Exterior application with UV resistance	Hand quality	Automotive / Transportation	Gelcoat for technical and industrial parts

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BÜFA®-Arctic

Product name	Item no.	External Applications with Hydrolysis Load	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-Arctic-Gel-coat-ISO-S nature	5750001	744-Gelcoat-S with colour code - no Tinting	Practically unlimited	IP	Exterior applica-tion with UV resistance	Spray quality	Wind Energy / Transportation	Gelcoat for heavy weathering or hydro-lysis exposure
BÜFA®-Arctic-Gel-coat-ISO-H nature	5760001	745-Gelcoat-H with colour code - noTinting	Practically unlimited	IP	Exterior applica-tion with UV resistance	Hand quality	Wind Energy / Transportation	Gelcoat for heavy weathering or hydro-lysis exposure
BÜFA®-Arctic-Top-coat-ISO-H nature	5860001	744- Gelcoat-S with colour code - no Tinting	Practically unlimited	IP	Exterior applica-tion with UV resistance	Hand quality	Wind Energy / Transportation	Gelcoat for heavy weathering or hydro-lysis exposure

BÜFA®-GC/TC-M400

Product name	Item no.	External Applications with UV-Resistance	Colour	Resin base	Application	Setting	Industry	Approvals	Characteristics
BÜFA®-Gelcoat-NPG-M400-S-A-nature	2280001	x24-Gelcoat-S with colour code	Practically unlimited	IP / NPG	External applications with hydro-lysis stress or chemical resistance	Spray quality	Marine	DNV - GC/TC-NPG-M400 --> TAK000029R - Rev. 1	Boatbuilding Gelcoat for exterior parts, for high chemical, thermal or hydrolytic loads
BÜFA®-Gelcoat-NPG-M400-H-A-nature	2290001	x25-Gelcoat-H with colour code	Practically unlimited	IP / NPG	External applications with hydro-lysis stress or chemical resistance	Hand quality	Marine	DNV - GC/TC-NPG-M400 --> TAK000029R - Rev. 1	Boatbuilding Gelcoat for exterior parts, for high chemical, thermal or hydrolytic loads
BÜFA®-Topcoat-NPG-M400-S-A-BF-07012-I-basalt grey	3307012	x26-Topcoat-S with colour code	Practically unlimited	IP / NPG	External applications with hydro-lysis stress or chemical resistance	Spray quality	Marine	DNV - GC/TC-NPG-M400 --> TAK000029R - Rev. 1	Boatbuilding Gelcoat for exterior parts, for high chemical, thermal or hydrolytic loads
BÜFA®-Topcoat-NPG-M400-H-A-nature	3310001	x27-Topcoat-H with colour code	Practically unlimited	IP / NPG	External applications with hydro-lysis stress or chemical resistance	Hand quality	Marine	DNV - GC/TC-NPG-M400 --> TAK000029R - Rev. 1	Boatbuilding Gelcoat for exterior parts, for high chemical, thermal or hydrolytic loads

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BÜFA®-Gelcoat-M700

Product name	Item no.	External Applications with UV-Resistance	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-ECO-Gelcoat-M700-S-A-BF-90178-T-concorde white	4121401	x12-Gelcoat-S with colour code(1400 - 1999)	Limited	IP / NPG	External applications with hydro-lysis stress or chemical resistance	Spray quality	Marine	This product family is the successor of the NEOGEL ECO Boat building Gelcoat for exterior parts, low-emission, best weathering resistance in white shades

BÜFA®-Swim

Product name	Item no.	Swimming Pools Applications	Colour	Resin base	Application	Setting	Industry	Characteristics
BÜFA®-Swim-NPG-Gelcoat-S pure white BF-09010-F	7529060	752-Gelcoat-S with colour code - noTinting	Limited	IP / NPG	Swimming Pools appli-cation	Spray quality	Swimming Pools	Gelcoat for Swim-ming Pools, colour shades are especially approved ref. to AVK Chlortest
BÜFA®-Swim-NPG-Gelcoat-H white BF-90400	7539400	753-Gelcoat-H with colour code - noTinting	Limited	IP / NPG	Swimming Pools appli-cation	Hand quality	Swimming Pools	Gelcoat for Swim-ming Pools, colour shades are especially approved ref. to AVK Chlortest
BÜFA®-Swim-NPG-Topcoat-S white BF-90400-E	7629441	762-Topcoat-S with colour code - noTinting	Limited	IP / NPG	Swimming Pools appli-cation	Spray quality	Swimming Pools	Gelcoat for Swim-ming Pools, colour shades are especially approved ref. to AVK Chlortest *4
BÜFA®-Swim-NPG-Topcoat-H white BF-90400-E	7369400	763-Topcoat-H with colour code - noTinting	Limited	IP / NPG	Swimming Pools appli-cation	Hand quality	Swimming Pools	Gelcoat for Swim-ming Pools, colour shades are especially approved ref. to AVK Chlortest

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BÜFA®-Tooling

Product name	Item no.	Colour	Resin base	Application	Setting	Characteristics
BÜFA®-Tooling-Gelcoat-VE-S-A-black	x040107	Black	VEU	Tooling Gelcoat with chemical and mechanical resistance for a high degree of gloss	Spray quality	GRP mould making, available in 2 colours, not weather-resistant
BÜFA®-Tooling-Gelcoat-VE-S-A-BF-60625-T-light green	x040109	Green	VEU	Tooling Gelcoat with chemical and mechanical resistance for a high degree of gloss	Spray quality	GRP mould making, available in 2 colours, not weather-resistant
BÜFA®-Tooling-Gelcoat-VE-H-A-black	x050107	Black	VEU	Tooling Gelcoat with chemical and mechanical resistance for a high degree of gloss	Hand quality	GRP mould making, available in 2 colours, not weather-resistant
BÜFA®-Tooling-Gelcoat-VE-H-A-BF-60625-T-light green	x050109	Green	VEU	Tooling Gelcoat with chemical and mechanical resistance for a high degree of gloss	Hand quality	GRP mould making, available in 2 colours, not weather-resistant

BÜFA®-Tooling-Conductive

Product name	Item no.	Colour	Resin base	Application	Setting	Characteristics
BÜFA®-Tooling-Conductive-Gelcoat-S-A-black	x040207	Black	VEU	Conductive and Tooling application	Spray quality	Dissipative setting [10^{A6} Ω], thixotropic mould making gelcoat, good gloss retention
BÜFA®-Tooling-Conductive-Gelcoat-S-A-BF-60626-T-green	x040209	Green	VEU	Conductive and Tooling application	Spray quality	Dissipative setting [10^{A6} Ω], thixotropic mould making gelcoat, good gloss retention
BÜFA®-Tooling-Conductive-Gelcoat-H-A-black	x050207	Black	VEU	Conductive and Tooling application	Hand quality	Dissipative setting [10^{A6} Ω], thixotropic mould making gelcoat, good gloss retention
BÜFA®-Tooling-Conductive-Gelcoat-H-A-BF-60626-T-green	x050209	Green	VEU	Conductive and Tooling application	Hand quality	Dissipative setting [10^{A6} Ω], thixotropic mould making gelcoat, good gloss retention

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BÜFA®-Fire Retardant

Product name	Item no.	Resin base	Application	Industry
BÜFA®-Firestop Gelcoat S 230	On request	IP	Gelcoat in spray quality with increased fire retardant properties	Railway
BÜFA®-Firestop Topcoat S 235	On request	THP	Topcoat in rollable quality with increased fire retardant properties	Railway
BÜFA®-Firestop Gelcoat S 250	On request	IP	Gelcoat in hand- or spray quality with fire retardant properties	Transportation / Building & Construction Railway (DIN5510)
BÜFA®-Firestop Gelcoat S 260	On request	OP / NPG	Gelcoat in spray quality with increased fire retardant properties	Railway
BÜFA®-Firestop Gelcoat S 270	On request	VE/DCPD	High Fire Protection	Transportation / Building & Construction Railway
BÜFA®-Firestop Gelcoat S 285	On request	IP	High Fire Protection	Railway

BÜFA®-Barriercoat

Product name	Item no.		Resin base	Application	Setting	Industry	Approvals	Characteristics
BÜFA®-Barrier-coat-OP-6100-S-A	2241001	x04-1001	OP	Improve-ment of the surface quality	Spray quality	Automotive		The product serves as a 2. gelcoat layer between gelcoat and laminate as a barrier against shrinkage marks
BÜFA®-VE-Barrier-coat-SV N°2	7221965	722-1965	VE	Osmosis resistance/ improved surface quality	Hand quality	Marine / Automotive / Swimming Pools	DNV-Barrier-coat --> TAK00000VV - Rev. 2	The product serves as a 2. gelcoat layer between gelcoat and laminate as a barrier against shrinkage marks and osmosis

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BÜFA®-Gelcoat Specialties

Product name	Item no.	Sustainability aspect / Added value (USP)	Industries	Characteristics
BÜFA®- VEU-Conductive Gelcoat black	7220262	Reduced styrene / Conductive	Building & Construction / Tanks & Pipes	Gelcoat for moulded parts where chemical resistance is required in addition to electrical conductivity. Hand quality
BÜFA®-Conductive Gelcoat black	7220399	Reduced styrene / Conductive	Building & Construction	Gelcoat for moulded parts where basic fire protection is required in addition to electrical conductivity. Hand quality
BÜFA®-ISO conductive gel coat SV in pebble grey	7227500	Conductive	Building & Construction	Conductive spray coat for moulded parts that need strong weathering properties, as well as electrical conductivity
BÜFA®-Tooling-Conductive-Gelcoat-S-A-black	3040207	Conductive	Tooling	Conductive tooling spray gelcoat suitable for the production of GRP moulds that are exposed to high chemical and thermal stresses
BÜFA®-Neogel®-Eco-9373-W-2-white-B7-93808-E	6200080	Low-Emission	Cruiser / Marine	Gelcoat for exterior parts boat buidling and low emission

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BÜFA
Bonding Pastes
Powerful Connections
Composites

Bonding Pastes

Powerful Connections

BÜFA provides tailored adhesives, fillers, and high-performance bonding pastes to meet various needs. From lightweight bonding for sandwich structures to low-shrink or tinted elastic bonding pastes – we've got you covered also with eco-friendly options.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

Structural and Standard Bondings

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Bonding Paste 0250	7400250	Blue	OP / IP	Standard applications	Machine-dosable - Gamma4 / Theta11, with peroxide indicator	Marine / Automotive	Versatile adhesive resin	32.0 N/mm²	1.8 %	3851 N/mm²
BÜFA®-Bonding Paste 0588	7400588	Grey	THP	Standard applications; highly reactive; also for thin layers; cures tack-free	Manual processing	Marine / Building and Construction	Adhesive resin with good mechanical properties, good thixotropy	59.5 N/mm²	2.6 %	4341 N/mm²
BÜFA®-Bonding Paste 0600	7400600	Blue	OP / IP	Standard applications	Manual processing	Marine / Building and Construction	Versatile adhesive resin, medium gelling times	44.0 N/mm²	0.7 %	7156 N/mm²
BÜFA®-Bonding Paste 0601	7400601	Blue	OP / IP	Standard applications	Machine-dosable - Gamma4 / Theta11	Marine / Building and Construction	Versatile adhesive resin, medium gelling times	39.6 N/mm²	0.7 %	6614 N/mm²

Sandwich Constructions

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Bonding Paste 0015	7400015	Blue	OP / IP	For joining GF-UP laminates with core layers made of synthetic rigid foam or balsa wood.	Manual processsing	Marine / Automotive / Railway	Sandwich adhesive resin	16.7 N/mm²	0.7 %	2715 N/mm²
BÜFA®-Bonding Paste 0072	7400072	Blue	OP / IP	For bonding GRP-UP laminates to core materials made from synthetic plastic foam or balsa wood.	Manual processsing	Marine / Automotive / Railway	Sandwich adhesive resin	18.0 N/mm²	1.3 %	1596 N/mm²
BÜFA®-Bonding Paste 0073	7400073	Blueish	OP / IP	For bonding GRP-UP laminates to core materials made from synthetic plastic foam or balsa wood.	Manual processsing	Marine / Automotive	Sandwich adhesive resin	20.5 N/mm²	2.6 %	1371 N/mm²

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Optimal Laminate Constructions

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Bonding Paste 0181	7400181	Brown cloudy	THP	Standard applications; also well suited as a leveling resin compound; "liquid laminate" low-shrinkage, increased fiber content	Manual processing	Marine / Automotive / Transportation	Very good mechanical properties - especially with regard to impact strength and elongation at break	54.6 N/mm²	1.4 %	5121 N/mm²
BÜFA®-Bonding Paste 0182	740182	Purple	THP	Leveling compound ("liquid laminate")	Manual processing	Marine / Automotive / Railway	Liquid laminate with higher exotherm, high viscosity	58.7 N/mm²	2.7 %	3711 N/mm²

Bonded Joints with Metal and Wood

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Bonding Paste 0139	7400139	Beige	THP	Elastic universal adhesive resin for many applications	Manual processing	Marine / Tanks & Pipes / Automotive	Adhesive resin for joining metal and wood, elastic	14.1 N/mm²	15 %	530 N/mm²
BÜFA®-Bonding Paste 0141	7400141	White	THP	Elastic universal adhesive resin for many applications	Manual processing	Marine / Automotive / Tanks & Pipes / Railway	Adhesive resin for joining metal and wood, elastic, white	14.3 N/mm²	16 %	582 N/mm²

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High Strength Bondings

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Bonding Paste 0111	7400111	Colorless	VE	Bonding Paste with excellent mechanical and chemical properties	Machine-dosable - Gamma4 / Theta11	Marine / Automotive / Wind Energy / Tanks & Pipes / Railway	For bonding rotor blades for wind turbines, boat building, pipe bonding, high dynamic load capacity in a wide temperature range	44.2 N/mm²	2.0 %	3934 N/mm²
BÜFA®-Bonding Paste 0114	7400114	Colorless	VE	Adhesive resin with excellent mechanical and chemical properties, like 7400111 but with a shorter setting time	Machine-dosable - Gamma4 / Theta11	Wind Energy / Marine / Railway / Tanks & Pipes / Automotive	Boat building, pipe bonding, high dynamic load capacity in a wide temperature range	42.5 N/mm²	1.9 %	3437 N/mm²

Special Bonding Pastes

Product name	Item no.	Colour	Resin base	Application	Processing	Industry	Characteristics	Tensile strength	Elongation at break	Elastic modulus
BÜFA®-Fine Body Filler Spray	7400002	Grey	THP	Spray filler for model making with good sanding properties	Polycon spray gun	Marine / Automotive	Repair filler in spray setting	nB	nB	nB
BÜFA®-Bonding Paste 0119	7400119	Murky	VE	For chemical-resistant applications in pipe and tank construction. For applications where a high HDT plays an important role.	Manual processing	Tanks & Pipes / Building & Construction	Adhesive resin with excellent mechanical and chemical properties and an HDT of 105°C	62.4 N/mm²	1.4 %	5891 N/mm²
BÜFA®-Bonding Paste 0188	7400188	Blue	THP	Adhesive resin for standard bonding, filling applications (gap filling) up to 10 cm, lightweight construction applications in boat building	Manual processing	Marine / Automotive	Adhesive resin for high layer thicknesses (up to 10 cm) with low density, good thixotropy	27.3 N/mm²	1.1 %	3222 N/mm²
BÜFA®-Bonding Paste 0410	7400410	Violet	IP	For chemical-resistant applications; also suitable for bonding with rigid PVC	Machine-dosable - Gamma4 / Theta11	Swimming Pools / Sanitary / Building & Construction	Chemically resistant adhesive resin, good adhesion to rigid PVC	46.1 N/mm²	1.9 %	3240 N/mm²

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Pigment Pastes

Unlimited Colours

Composites

Pigment Pastes

Unlimited Colours

Beyond 100 standard pigments, BÜFA®-Pigment Pastes come in custom shades and specialized colours. Compatible with carriers like epoxy, acrylic resins, and solvents, these pigments offer top-tier light and weather resilience across all colours.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

BÜFA offers low-monomer pigment pastes with high-quality pigments in different carriers, specifically designed for colouring gelcoats, topcoats, and laminating and casting resins based on unsaturated polyester resins. These pastes have ideal viscosity and can be easily pumped.

BÜFA®-Pigment Paste - Tinter (530xxxx)

Product name	Item no.	Colour	Colour Code
BÜFA®-Pigment Paste beige BF-01001-T	5301051	Beige	BF-01001-T
BÜFA®-Pigment Paste golden yellow BF-01104-T	5301054	Golden yellow	BF-01104-T
BÜFA®-Pigment Paste brown beige BF-01011-T	5301061	Grown beige	BF-01011-T
BÜFA®-Pigment-Paste light ivory BF-01015-T	5301065	Light ivory	BF-01015-T
BÜFA®-Pigment Paste sulphur yellow BF-01116-T	5301066	Sulphur yellow	BF-01116-T
BÜFA®-Pigment Paste red orange BF-02001-T	5302051	Red orange	BF-02001-T
BÜFA®-Pigment Paste pastel orange BF-02103-T	5302053	Pastel orange	BF-02103-T
BÜFA®-Pigment Paste traffic orange BF-02109-T	5302059	Traffic orange	BF-02109-T
BÜFA®-Pigment Paste flame red BF-03000-T	5303050	Flame red	BF-03000-T
BÜFA®-Pigment Paste carmine red BF-03002-T	5303052	Carmine red	BF-03002-T
BÜFA®-Pigment Paste purple red BF-03104-T	5303054	Purple red	BF-03104-T
BÜFA®-Pigment Paste black red BF-3107-T	5303057	Black red	BF-03107-T
BÜFA®-Pigment Paste traffic red BF-03120-T	5303070	Traffic red	BF-03120-T
BÜFA®-Pigment Paste red lilac BF-04101-T	5304051	Red lilac	BF-04101-T
BÜFA®-Pigment Paste traffic purple BF-04106-T	5304056	Traffic purple	BF-04106-T
BÜFA®-Pigment Paste telemagenta BF-04110-T	5304060	Telemagenta	BF-04110-T
BÜFA®-Pigment Paste ultramarine blue BF-05102-T	5305052	Ultramarine blue	BF-05002-T
BÜFA®-Pigment Paste brillant blue BF-05007-T	5305057	Brillant blue	BF-05007-T
BÜFA®-Pigment Paste gentian blue BF-05010-T	5305060	Gentian blue	BF-05010-T
BÜFA®-Pigment Paste light blue BF-05012-T	5305062	Light blue	BF-05012-T
BÜFA®-Pigment Paste sky blue BF-05015-T	5305065	Sky blue	BF-05015-T
BÜFA®-Pigment Paste emerald green BF-06001-T	5306051	Emerald	BF-06001-T
BÜFA®-Pigment Paste leaf green BF-06002-T	5306052	Leaf green	BF-06002-T
BÜFA®-Pigment Paste moss green BF-06005-T	5306055	Moss green	BF-06005-T
BÜFA®-Pigment Paste grass green BF-06110-T	5306060	Grass green	BF-06010-T
BÜFA®-Pigment Paste reseda green BF-06011-T	5306061	Reseda green	BF-06011-T
BÜFA®-Pigment Paste pastel green BF-06119-T	5306069	Pastel green	BF-06119-T
BÜFA®-Pigment Paste squirrel grey BF-07000-T	5307050	Squirrel grey	BF-07000-T
BÜFA®-Pigment Paste silver grey BF-07001-T	5307051	Silver grey	BF-07001-T
BÜFA®-Pigment Paste mouse greyBF-07005-T	5307055	Mouse grey	BF-07005-T
BÜFA®-Pigment Paste anthracite grey BF-07016-T	5307066	Anthracite grey	BF-07016-T
BÜFA®-Pigment Paste pebble grey BF-07032-T	5307082	Pebble grey	BF-07032-T
BÜFA®-Pigment Paste light grey BF-07035-T	5307085	Light grey	BF-07035-T
BÜFA®-Pigment Paste ochre brown BF-08001-T	5308051	Ochre brown	BF-08001-T
BÜFA®-Pigment Paste fawn brown BF-08007-T	5308057	Fawn brown	BF-08007-T
BÜFA®-Pigment Paste orange brown BF-08023-T	5308073	Orange brown	BF-08023-T
BÜFA®-Pigment Paste cream BF-09001-T	5309051	Cream	BF-09001-T
BÜFA®-Pigment Paste traffic white BF-09016-T	5309066	Traffic white	BF-09016-T
BÜFA®-Pigment Paste jet black BF-09005-T	5309055	Jet black	BF-09005-T

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BÜFA offers monomer-free pigment pastes made with high-quality organic and inorganic pigments, ensuring excellent light and weather fastness. These pastes come in a variety of standard and custom colours.

BÜFA®-Pigment-Pasten-1000 / MF

Product name	Item no.	Colour	Colour Code
BÜFA®-Pigment-Paste-1000-D15-MF-BF-01004-T-golden yellow	2011004	Golden yellow	BF-01004
BÜFA®-Pigment-Paste-1000-D13-MF-BF-01012-T-lemon yellow	2011012	Lemon yellow	BF-01012
BÜFA®-Pigment-Paste-1000-D10-MF-BF-01015-T-light ivory	2011015	Light ivory	BF-01015
BÜFA®-Pigment-Paste-1000-D10-MF-BF-01016-T-sulfur yellow	2011016	Sulfur yellow	BF-01016
BÜFA®-Pigment-Paste-1000-D12-MF-BF-01018-T-zinc yellow	2011018	Zinc yellow	BF-01018
BÜFA®-Pigment-Paste-1000-D15-MF-BF-02004-T-pure orange	2012004	Pure orange	BF-02004
BÜFA®-Pigment-Paste-1000-D20-MF-BF-02109-T-traffic orange	2012009	Traffic orange	BF-02109
BÜFA®-Pigment-Paste-1000-D10-MF-BF-03000-T-flame red	2013000	Flame red	BF-03000
BÜFA®-Pigment-Paste-1000-D10-MF-BF-03007-T-black red	2013007	Black red	BF-03007
BÜFA®-Pigment Paste-1000-D20-MF-BF-03020-T-traffic red	2013020	Traffic red	BF-03020
BÜFA®-Pigment-Paste-1000-D10-MF-BF-04006-T-traffic purple	2014006	Traffic purple	BF-04006
BÜFA®-Pigment-Paste-1000-D05-MF-BF-04008-T-signal violet	2014008	Signal violet	BF-04008
BÜFA®-Pigment-Paste-1000-D07-MF-BF-04110-T-telemagenta	2014010	Telemagenta	BF-04110
BÜFA®-Pigment-Paste-1000-D10-MF-BF-05002-T-ultramarine blue	2015002	Ultramarine blue	BF-05002
BÜFA®-Pigment-Paste-1000-D05-MF-BF-05005-T-signal blue	2015005	Signal blue	BF-05005
BÜFA®-Pigment-Paste-1000-D05-MF-BF-05012-T-light blue	2015012	Light blue	BF-05012
BÜFA®-Pigment-Paste-1000-D05-MF-BF-05015-T-sky blue	2015015	Sky blue	BF-05015
BÜFA®-Pigment-Paste-1000-D05-MF-BF-06001-T-emerald green	2016001	Emerald green	BF-06001
BÜFA®-Pigment-Paste-1000-D05-MF-BF-06002-T-leaf green	2016002	Leaf green	BF-06002
BÜFA®-Pigment-Paste-1000-D05-MF-BF-06005-T-moss green	2016005	Moss green	BF-06005
BÜFA®-Pigment-Paste-1000-D05-MF-BF-06010-T-grass green	2016010	Grass green	BF-06010
BÜFA®-Pigment-Paste-1000-D05-MF-BF-06011-T-reseda green	2016011	Reseda green	BF-06011
BÜFA®-Pigment-Paste-1000-D07-MF-BF-06018-T-yellow green	2016018	Yellow green	BF-06018
BÜFA®-Pigment-Paste-1000-D07-MF-BF-08001-T-ochre brown	2018001	Ochre brown	BF-08001
BÜFA®-Pigment-Paste-1000-D05-MF-BF-08004-T-copper brown	2018004	Copper brown	BF-08004
BÜFA®-Pigment-Paste-1000-D05-MF-BF-08024-T-beige brown	2018024	Beige brown	BF-08024
BÜFA®-Pigment-Paste-1000-D10-MF-BF-09001-T-cream	2019001	Cream	BF-09001
BÜFA®-Pigment-Paste-1000-D10-MF-BF-09010-T-pure white	2019010	Pure white	BF-09010
BÜFA®-Pigment-Paste-1000-D15-MF-BF-09016-T-traffic white	2019016	Traffic white	BF-09016
BÜFA®-Pigment-Paste-1000-D10-MF-BF-09018-T-papyrus white	2019018	Papyrus white	BF-09018
BÜFA®-Pigment-Paste-1000-D05-MF-BF-09005-T-jet black	2019005	Jet black	BF-09005

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Sustainable Products

BÜFA®-future

Composites

Sustainable Products

BÜFA®-future

New Chemistry emerges when chemistry and sustainability unite. Our products with the „future“ label meet the highest standards in terms of environmental friendliness and sustainability. Every product bearing this label has been carefully tested.

This seal is intended to provide a clear indication of sustainable products.

In the composites field, for example, these products help reduce VOC emissions, use raw materials from biological sources or use recycled waste streams to minimize environmental impact. Reduced material consumption or improved safety aspects can also be benefits.

At BÜFA Composite Systems, the label ‚BÜFA®-future‘ stands for forward-looking visions in the composites industry.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

BÜFA®-Resins

Product name	Item no.	Styrene content	NaWaRo content	Recycled content	Sustainability aspect	Added value (USP)	Industries	Comments
BÜFA®-Resin UP 0113 ACR	7000113	< 25 %			Reduced styrene		Swimming Pools / Sanitary/ Tanks & Pipes	Pre-accelerated, low viscosity, thixotropic and filled laminating resin of medium reactivity. Suitable for hand lamination and fibre spray processes
BÜFA®-Resin UP 0119 ACR	7000119	< 25 %		> 5 %	Reduced styrene, contains recycled content		Swimming Pools / Sanitary	Pre-accelerated, low viscosity, thixotropic and filled laminating resin of medium reactivity. Suitable for hand lamination and fibre spray processes
BÜFA®-Resin VE 0910	7000910					Class A	Transportation / Cruiser / Marine / Sanitary / Tooling	Thixotropic, pre-accelerated vinyl ester urethane resin based on bisphenol A epoxy
BÜFA®-ECO-Resin UP 2020 HLU styrene-free	7002020	0 %			Styrene-free		Wind Energy / Cruiser / Marine / Sanitary	Styrene-free, thixotropic, medium reactive, low viscosity laminating resin
BÜFA®-Resin VE 6520 RTM	7006520					Class A surface quality; closed-system processes	Transportation	Filled and pre-accelerated resin system that cures without shrinkage
BÜFA®-Resin UP 6601 RTM	7006601	< 25 %			Reduced styrene	Closed-system processes	Cruiser / Marine	Pre-accelerated, tinted UP resin.
BÜFA®-ECO-Resin UP 6889 biobased	7006889		> 5 %		70 % by weight organic resin from renewable sources		Railway / Cruiser / Marine / Swimming Pools	Pre-accelerated, non-thixotropic polyester resin based on sustainable raw materials
BÜFA®-Resin VE 7100 Tooling	7007100					Class A surface quality	Wind Energy / Transportation / Railway / Cruiser / Marine / Swimming Pools	Filled and pre-accelerated resin system that cures without shrinkage
BÜFA®-Resin UP 7330 MC Foaming	7007330					BÜFA®-Foaming Resin; lightweight	Transportation	Thixotropic polyester resin, that can be foamed with special blowing agents

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BÜFA®-Resins

Product name	Item no.	Styrene content	Sustainability aspect	Added value (USP)	Industries	Comments
BÜFA®-Firestop S 425	7160425			BÜFA®-FireFox System; closed-system processes	Building & Construction / Wind Energy / Railway / Tanks & Pipes	Unfilled, halogen-free, pre-accelerated, for structural components in the vacuum injection process
BÜFA®-Firestop S 440	7160440			BÜFA®-FireFox System; closed-system processes	Building & Construction / Wind Energy / Railway / Tanks & Pipes	Pre-accelerated VE infusion resin for structural components using the vacuum injection process
BÜFA®-Firestop S 520	7160520			BÜFA®-FireFox System; closed-system processes	Wind Energy / Railway	ATH-filled resin for structural components, pre-accelerated in the RTM process
BÜFA®-Firestop S 570	7160570	< 25 %	Reduced styrene		Building & Construction / Wind Energy / Railway	ATH-filled, thixotropic resin for structural components in the hand lamination process, pre-accelerated
BÜFA®-Firestop S 585	7160585			BÜFA®-FireFox System; class A surface quality; closed-system processes	Building & Construction / Transportation / Railway	Filled, pre-accelerated VE-LP resin with good fire retardant properties
BÜFA®-Firestop 8175-W-1	7168175	< 25 %	Reduced styrene		Building & Construction / Railway	Filled thixotropic resin for structural components for hand lamination processes, pre-accelerated. Can also be used for RTM processes
BÜFA®-Firestop S 910 Foaming Resin	7960910			BÜFA®-FireFox System; BÜFA®-Foaming Resin; lightweight; closed-system processes	Transportation / Railway	Unfilled foam resin system with good fire retardant properties using the RTM process
BÜFA®-Conductive-Resin VE 2245	7211003			Conductive	Tanks & Pipes	Pre-accelerated epoxy bis-A VEU resin, dissolved in styrene. The use of highly efficient conductive additives enables surface resistances of << 10^6 Ω

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BÜFA®-Gelcoats

Product name	Item no.	Styrene content	Sustainability aspect	Added value (USP)	Industries	Comments
BÜFA®- VEU-Conductive Gelcoat black	7220262	< 25 %	Reduced styrene	Conductive	Building / Construction / Tanks & Pipes	Gelcoat for moulded parts where chemical resistance is required in addition to electrical conductivity. Hand quality
BÜFA®-Conductive Gelcoat black	7220399	< 25 %	Reduced styrene	Conductive	Building / Construction	Gelcoat for moulded parts where basic fire protection is required in addition to electrical conductivity. Hand quality
BÜFA®-ISO-Gelcoat-SV leitfähig kieselgrau	7227500			Conductive	Building / Construction	Conductive spray coat for moulded parts that need strong weathering properties, as well as electrical conductivity
BÜFA®-Tooling-Conductive-Gelcoat-S-A-black	3040207			Conductive	Tooling	Conductive tooling spray gelcoat suitable for the production of GRP moulds that are exposed to high chemical and thermal stresses
BÜFA®-Neogel®- Eco-9373-W-2-white-B7-93808-E	6200080	30%		Low-Emission	Cruiser / Marine	Gelcoat for exterior parts boat buidling and low emission

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BÜFA®-Bonding Pastes

Product name	Item no.	Styrene content	NaWaRo content	Sustainability aspect	Industries	Comments
BÜFA®-Bonding Paste 0110	7400110		> 5 %	NaWaRo content > 5 %	Wind Energy / Transportation / Railway / Cruiser / Marine / Tank & Pipes	For bonding rotor blades for wind energy plants, boat building, pipe bonding, high dynamic loads across a wide temperature range
BÜFA®-Bonding Paste 0111	7400111		> 5 %	NaWaRo content > 5 %	Wind Energy / Transportation / Railway / Cruiser / Marine / Tank & Pipes	Modification 7400110 – but with higher stability after machine processing (higher thixotropy)
BÜFA®-Bonding Paste 0182	7400182		> 5 %	NaWaRo content	Transportation / Cruiser / Marine	Levelling compound ("liquid laminate")
BÜFA®-Bonding Paste 0015	7400015	<25 %		Reduced styrene	Building & Construction / Transportation / Cruiser / Marine	Sandwich bonding paste with low density
BÜFA®-Fine Body Filler Spray	7400002	<25 %		Reduced styrene	Transportation / Cruiser / Marine	Repair filler in spray version, spray filler for model making with good sanding properties
BÜFA®-Modelling Compound	7400004	0 %	> 5 %	NaWaRo content > 5 %, styrene-free	Building & Construction / Tooling	Natural wax compound with fillers. Permanently plastic modelling compound for model and mould making for filling hollows, closing cavities and modelling
FREEFIX® 6470-W-2	6956470	< 25 %		Reduced styrene	Transportation / Cruiser / Marine	Filler and for bonding cured GF-UP laminates, as long as they are subject to normal requirements
BÜFA®-Bonding Paste 0188	7400188	< 25 %		Reduced styrene	Transportation / Cruiser / Marine	Bonding paste for standard bonding, filling applications (gap filling) up to 10 cm, lightweight construction applications in boat building

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BÜFA®-Bonding Pastes

Product name	Item no.	Styrene content	NaWaRo content	Sustainability aspect	Industries	Comments
BÜFA®-Bonding Paste 0600	7400600	< 25 %		Reduced styrene	Building & Construction / Cruiser / Marine	Standard bonding paste
BÜFA®-Bonding Paste 0601	7400601	< 25 %		Reduced styrene	Building & Construction / Cruiser / Marine	Standard bonding paste
BÜFA®-Bonding Paste 0650	7400650	< 25 %		Reduced styrene	Building & Construction / Cruiser / Marine	Standard bonding paste, impact-modified, good stability after machine processing
BÜFA®-Bonding Paste 0651	7400651	< 25 %		Reduced styrene	Building & Construction / Cruiser / Marine	Standard bonding paste, impact-modified, good stability after machine processing
BÜFA®-Bonding Paste 0185	7400185	< 25 %		Reduced styrene	Transportation / Cruiser / Marine	Standard bonding paste with very good mechanical properties, good thixotropy
BÜFA®-Bonding Paste 0588	7400588		> 5 %	NaWaRo content > 5 %	Transportation / Tanks & Pipes	Standard applications; highly reactive; also for thin layers; tack-free curing, fixing applications

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BÜFA®-Accelerators

Product name	Item no.	Styrene content	Sustainability aspect	Industries	Comments
BÜFA®-Accelerator polymeric Cobalt 1	7420071		Polymeric cobalt	Building & Construction / Wind Energy / Transportation / Railway / Cruiser / Marine / Swimming Pools / Sanitary / Tanks & Pipes / Tooling	Styrene and styrene derivative-free topcoat for use in interiors or industrial applications
BÜFA®-Accelerator polymeric Cobalt 4	7420096	0 %	Polymeric cobalt, sytrene-free	Building & Construction / Wind Energy / Transportation / Railway / Cruiser / Marine / Swimming Pools / Sanitary / Tanks & Pipes / Tooling	Styrene-free ISO / NPG-based spray topcoat suitable for surfaces that are exposed to high UV and / or hydrolytic stress (marine, automotive, sanitary, etc.)
BÜFA®-Accelerator Co 10 BTX-free / NEW	7951222	0 %	BTX-free, styrene-free	Building & Construction / Wind Energy / Transportation / Railway / Cruiser / Marine / Swimming Pools / Sanitary / Tanks & Pipes / Tooling	Styrene and styrene derivative-free topcoat for use in interiors or industrial applications

BÜFA®-Additives

Product name	Item no.	Styrene content	Sustainability aspect	Added value (USP)	Industries	Comments
BÜFA®-Additive Repair Solution	7420030		Repair additive		Transportation / Cruiser / Marine	BÜFA®-Additive Repair Solution is a specially modified paraffin solution, dissolved in styrene and acetone, for gelcoat repairing
BÜFA®-Conductive-CNT-Paste-UP	7210001	0 %	Styrene-free	Conductive	Building & Construction / Tanks & Pipes	BÜFA®-Conductive-CNT-Paste-UP is a masterbatch with 1 % Single Wall Carbon Nanotubes. The resin base is a styrene- and monomer-free unsaturated polyester resin
BÜFA®-Conductive-CNT-Paste-EP	7210002	0 %	Styrene-free	Conductive	Building & Construction / Tanks & Pipes	BÜFA®-Conductive-CNT-Paste-EP is a master-batch with 1 % Single Wall Carbon Nanotubes. The resin base is a mixture of bisphenol-A and bisphenol-F epoxy resin
BÜFA®-Conductive-Resin-Additive UP 1412	7211412			Conductive	Tanks & Pipes	BÜFA®-Conductive-Resin-Additive UP 1412 is a concentrate with 0.2 % Single Wall Carbon Nanotubes in bisphenol A resin. The concentrate is not pre-accelerated
BÜFA®-Conductive-Resin-Additive UP 1433	7211433	< 25 %	Reduced styrene	Conductive	Building & Construction	BÜFA®-Conductive-Resin-Additive UP 1433 is a concentrate with 0.3 % Single Wall Carbon Nanotubes in bisphenol A resin. The concentrate is not pre-accelerated

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Initiators

Ideal Cross-Linking

Composites

Initiators

Ideal Cross-Linking

Reactive resin processing requires precise matching of initiators to ensure optimal polymerization and curing. They adhere to the highest quality and safety standards. When combined they allow processors to tailor the curing reaction to their processing conditions and end-product requirements.

In addition to our BÜFA products we also provide essential complementary commodities such as initiators, curing agents, accelerators, inhibitors and peroxides of premium partners in each country to complete the full range of products for the processing of composite parts.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

Accelerators on a Co-Neodecanoat Base

Product name	Item no.	Application	Characteristics	Handling
BÜFA®-Accelerator Co 1	7421062	Accelerates curing suitable for curing UP and VE resins and for use with ketone peroxide	Cobalt-Neodecanoat, 1 % dissolved in styrene and xylene	Easy to meter because of the low concentration
BÜFA®-Accelerator Co 4	7421065	Accelerates curing suitable for curing UP and VE resins and for use with ketone peroxide	Cobalt-octoate, 4 % dissolved in styrene and xylene	Easy to meter because of the low concentration
BÜFA®-Accelerator Co 6	7421600	Accelerates curing suitable for curing UP and VE resins and for use with ketone peroxide	Cobalt-octoate, 6 % dissolved in xylene	Modification of larger quantities
BÜFA®-Accelerator Co 10	7421072	Accelerates curing suitable for curing UP and VE resins and for use with ketone peroxide	Cobalt-octoate, 10 % dissolved in xylene	Modification of larger quantities
BÜFA®-Accelerator Co 10 BTXfree/ NEW	7951222	Accelerates curing suitable for curing UP and VE resins and for use with ketone peroxide	10 % Cobalt accelerator without BTX and styrene-free, food contact	Modification of larger quantities

Accelerators on an Amine Base

Product name	Item no.	Application	Characteristics	Handling
BÜFA®-Accelerator DEA 10	7420083	Optimises curing, for use with benzoyl peroxide suitable for curing UP and VE resins Improves curing in high humidity	Diethtyl anilin, dissolved in styrene	Modification of larger quantities

Accelerators on a Co-Neodecanoat and Amin Base

Product name	Item no.	Application	Characteristics	Handling
BÜFA®-Accelerator Complex 0064	7421064	Accelerates and optimises curing suitable for curing UP and VE resins and for use with ketone peroxide	Cobalt-Neodecanoat and Amines dissolved in styrene and xylene	Modification of larger quantities

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Accelerators on a Polymeric Cobalt Base

Product name	Item no.	Characteristics
BÜFA®-Accelerator polymeric Cobalt 1	7420071	Polymeric cobalt, 1 %, dissolved in styrene and xylene
BÜFA®-Accelerator Complex 0095	7421095	Polymeric cobalt 2 %, dissolved in styrene and xylene
BÜFA®-Accelerator polymeric Cobalt 4	7420096	4 % polymeric cobalt, styrene-free
BÜFA®-Accelerator Complex 0097	7420097	Cross accelerator polymeric cobalt / dimethyl aniline dissolved in xylene
BÜFA®-Accelerator Complex 0397	7420397	Cross accelerator polymeric cobalt/DEAA dissolved in xylene

Inhibitors

Product name	Item no.	Application	Characteristics	Handling
BÜFA®-Inhibitor 10	7420110	For UP and VE resins and for cobalt-accelerated systems Lengthens gel time	TBC, 10 % dissolved in aliphatic esters and styrene	Ready-to-use solution

Tmax Reduction

Product name	Item no.	Characteristics
BÜFA®-Additive Tmax. Reduction	7420008	Additive dissolved in styrene

Different Peroxide Types are available on request depending on Distribution Country

Important Note:
Hardeners, accelerators and, if applicable, inhibitors must be exactly coordinated to each other if the desired effect is to be achieved. The selection of the optimum cold curing system depends on working conditions as well as the requirements placed on the finished products.

Attention:
It is exceedingly important that peroxides and accelerators are never stirred into the resin at the same time but one after the other to prevent fires or deflagration. Let us to give you good advice.

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Release Agents, Additives & Ancillaries

Application Solutions

Composites

Release Agents, Additives & Ancillaries

Application Solutions

No matter how diverse the processes and applications may be, the BÜFA product range is just as diverse.

In addition to the BÜFA products we also provide essential complementary commodities such as Release Agents, Additives & Processing aids of premium partners in each country to complete the full range of products for the processing of Composite Parts.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

BÜFA®-Release Agents

Product name	Item no.	Characteristics	Comments
BÜFA®-Release Agent for Metalmoulds	7410070	Based on soybean lecithin dissolved in butyl acetate	Mould release agent for moulds made of pore-free materials (steel, glass, etc.)
BÜFA®-Release Laquer Nature	7410052	Based on polyvinyl alcohol dissolved in ethanol/water	Mould release agent for use on plastic moulds, glossy after drying, tough, PVA layer
BÜFA®-Release Wax Paste	7410054	Based on synthetic wax and white spirit	When used on moulds made of plastic, wood, gypsum, etc., mainly used with the release lacquer BÜFA®-Release Lacquer Nature
BÜFA®-Release Wax Liquid	7410063	Based on polyethylene wax dissolved in white spirit	When used on complicated moulds made of plastic, wood, gypsum, etc., also often used with the release lacquer BÜFA®-Release Lacquer Nature
BÜFA®-Mould Cleaner 3125	7420596	Based on butyl acetate, toluene-free	Highly effective cleaner for removing wax and polyester residue from mould surfaces
BÜFA®-BF 500 Liquid Mould Release Wax	0220500	Based on polyvinyl alcohol dissolved in ethanol/water	Liquid Wax
BÜFA®-BF 700 Mould Release Wax Paste	0220700	Release wax paste, without silicone	Release Paste

BÜFA®-Primer

Product name	Item no.	Characteristics
BÜFA®-Primer Metal	7420079	Based on a special silane acrylate dissolved in alcohol
BÜFA®-Primer Sealer GRP	7420075	Based on a special isocyanate

BÜFA®-Additive Viscosity Control

Product name	Item no.	Characteristics	Comments
BÜFA®-Additive Spray thinner	7420013	Specially coordinated mixture of aceto-ne and styrene	Optimises the spraying viscosity of gelcoats
BÜFA®-Additive Viscoreducer	7420018	Styrene-free solution of polymers in MMA	For reducing the viscosity of filled systems to improve working properties or the degree of filling

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LSE Control

Product name	Item no.	Characteristics	Comments
BÜFA®-Additive LSE	7420077	Milieu additive dissolved in styrene	An alternative to paraffin wax to reduce the emission of styrene, contains an adhesion promoter, can be over-laminated – see information in Technical Data Sheet
BÜFA®-Paraffine Solution 2,5	7422025	2.5 % paraffin solution in styrene and xylene	For tack-free curing of UP resins, effective at temperatures between 18 - 32 °C
BÜFA®-Paraffine Solution 6	7422060	10 % paraffin solution in styrene and xylene	For tack-free curing of UP resins, effective at temperatures between 18 - 32 °C
BÜFA®-Paraffine Solution 10	7420082	Styrene-free solution of polymers in MMA	For tack-free curing of UP resins, effective at temperatures between 18 - 32 °C

Buffing and Polishing

Product name	Item no.	Characteristics	Comments
BÜFA®-BF 50 Buffing Polishing Paste, extra heavy duty	0220050	Buffing and polishing paste, extra strong, without silicone, ammonium and wax, for hand and machine application.	BF 50 is a special combination of highly effective abrasive particles, removes scratches and buffing marks on polyester and epoxy moulds
BÜFA®-BF 100 Buffing Polishing Paste, heavy duty	0220100	Buffing and polishing paste, medium fine, without silicone, ammonium and wax, for hand and machine application	BF 100 was developed for a broad spectrum of universal applications. For repair, maintenance and preparation of polyester and epoxy moulds
BÜFA®-BF 150 Polishing Paste, extra fine	0220150	Polishing paste, extra fine, without silicone, ammonium and wax, for hand and machine application	BF 150 was developed for the 'top finish' on moulds and especially for reworking finished components and fresh PU lacquers. Sprayed mist is finely polished off and paint residue removed

BÜFA®-Conductive Additives

Product name	Item no.	Characteristics	Comments
BÜFA®-Conductive-CNT-Paste-UP	7210001	The resin base is a styrene-and monomer-free unsaturated polyester resin	BÜFA®-Conductive-CNTPaste-UP is a masterbatch with 1 % SWCNT's.
BÜFA®-Conductive-CNT-Paste-EP	7210002	The resin base is a styrene-free mixture of bisphenol-A and bisphenol-F epoxy resin	BF 100 was developed for a broad spectrum of universal applications. For repair, maintenance and preparation of polyester and epoxy moulds
BÜFA®-Conductive-Resin-Additive UP 1412	7211412	BÜFA®-Conductive-Resin-Additive UP 1412 is a concentrate with 0.2 % Single Wall Carbon Nanotubes in bisphenol-A resin	The concentrate is not pre-accelerated
BÜFA®-Conductive-Resin-Additive UP 1433	7211433	BÜFA®-Conductive-Resin-Additive UP 1433 is a concentrate with 0.3 % Single Wall Carbon Nanotubes in styrene-reduced bisphenol-A resin	The concentrate is not pre-accelerated

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Further Additives

Product name	Item no.	Characteristics	Comments
BÜFA®-Lubricant ST	7420002	Special lubricant based on sulphonic acid ester	For lubricating piston and packing systems, resin conveying pumps
BÜFA®-Accelerator Foaming Agent	7422000	Foaming Agent	required for BÜFA®-Foaming Resins
BÜFA®-Modelling Compound	7400004	Styrene-free natural wax compound with fillers.	BÜFA®-Modelling Compound is a permanently plastic modelling compound for model and mould making, for filling hollows, closing cavities and modelling
BÜFA®-Additive Repair Solution	7420030	Repair-Additive	BÜFA®-Additive Repair Solution is a specially modified paraffin solution, dissolved in styrene and acetone

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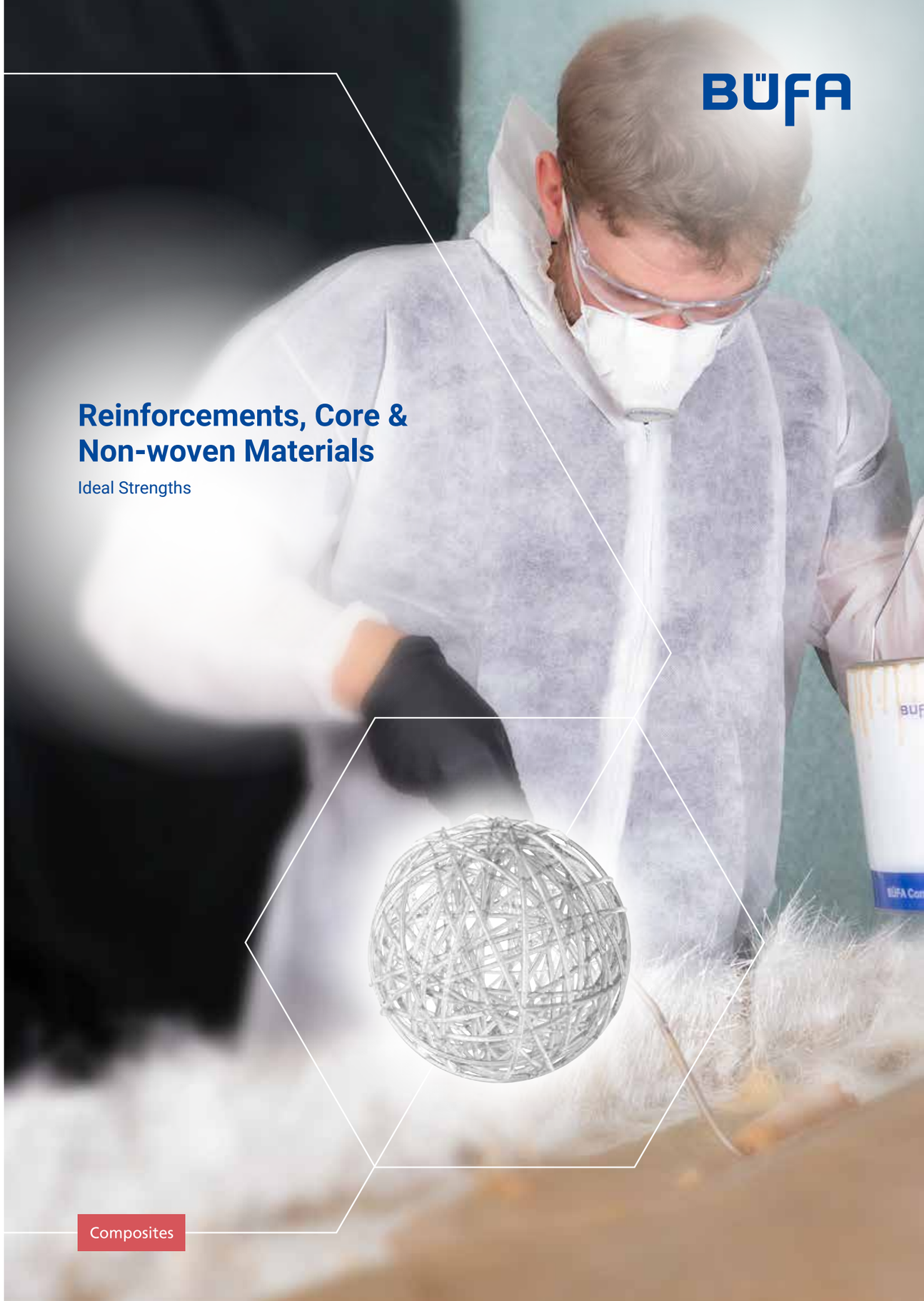

Reinforcements, Core & Non-woven Materials

Ideal Strengths

Composites

Reinforcements, Core & Non-woven Materials

Ideal Strengths

When choosing materials for challenging applications, glass fiber is a common choice due to its excellent mechanical properties.

Our range of reinforcement products includes glass fiber mats, textile glass complexes, rovings, endless mats and more. We offer premium products suitable for various industrial applications, ensuring high mechanical properties and excellent application Characteristicss.

Produced by direct spinning from traditional materials, it can be used in various forms when combined with the right resins. Core materials enhance strength, while non-woven surface materials improve component quality. Explore our comprehensive selection of materials.

BÜFA future

Innovative and Sustainable Reactive Resin Specialties.
New Chemistry for Sustainable Composite Components.

Firestop Scrims for Infusion Components with Very High Mechanical Properties

Product name	Item no.
BÜFA®-Firestop Fabric Biaxial (+45 °/-45 °), 1200 gr., 127 cm	0240201
BÜFA®-Firestop Fabric Biaxial (+45 °/-45 °), 800 gr., 127 cm	0240202
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 410 gr., 127 cm	0240204
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 830 gr., 127 cm	0240205
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 970 gr., 127 cm	0240206
BÜFA®-Firestop Fabric Quadraxial, 1230 gr, 127 cm	0240207
BÜFA®-Firestop Fabric Quadraxial, 810 gr., 127 cm	0240200
BÜFA®-Firestop Fabric UD (0 °), 850 gr., 127 cm	0240203

Please contact your contact person in the respective country. The delivery programme may vary depending on the country.

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Fire Retardant Systems

Optimal Safety

Composites

Fire Retardant Systems

Optimal Safety

In manufacturing composites achieving the right properties, value, and fire safety is crucial. With BÜFA®-Fire-Retardant Systems, fibre-reinforced plastics become flame-retardant and the GRP casing becomes a fire barrier. Our BÜFA®-Fire-Retardant Systems products, whether used individually or in combination, excel in multiple applications like Railway, Marine and Building & Construction. Our range includes gelcoats, resins, bonding pastes, glass, core materials, and more. Find out more about our BÜFA®-FireFox, our system for the production of fire-protected fiber-reinforced components in closed processes, as well as for our low-styrene fire safety products.

BÜFA®-FireFox system

The best choice fire retardant system

Gelcoats and Topcoats

Product name	Item no.	Resin Base	Non-volatile fractions (%)	Viscosity (mPas)	Elongation at break (%)	Tensile strength (MPa)	HDT (°C)	Comments
BÜFA®-Firestop GC S 230	On request	IP	82	30000	5	50	59	Spray quality gelcoat with increased fire retardant properties
BÜFA®-Firestop GC S 235	On request	THP	78	26000	10	8	<23° C	Roll-on topcoat with very high fire retardant properties
BÜFA®-Firestop GC S 250	On request	IP	708 colour = 77 728 colour = 84	708 colour = 7500 728 colour = 30000	8,2	52	57	Hand-applied and spray quality gelcoat with good fire retardant properties
BÜFA®-Firestop GS S 260	On request	OP/NPG	76	11500	3,4	56	64	Spray quality gelcoat with increased fire protection properties
BÜFA®-Firestop GC S 270	On request	VE/DCPD	84	28000	3	45	90	Spray quality gelcoat with the highest fire retardant properties
BÜFA®-Firestop GC S 285	On request	IP	80	14000	4,5	48	58	Spray quality gelcoat with the highest fire retardant properties

Topcoat versions of all gelcoats are also available in principle.

Bonding Paste

Product name	Item no.	Resin Base	Non-volatile fractions (%)	Viscosity (mPas)	Elongation at break (%)	Tensile strength (MPa)	HDT (°C)	Comments
BÜFA®-Firestop Liquid Mat	7150245	OP	87	300.000	2,5	6,5	70	Liquid fire retardant mat: Levelling of sharp edges and corners, can also be used as a fire retardant adhesive with good fire retardant properties

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Halogen-free Resins

Product name	Item no.	Resin Base	Non-volatile fractions (%)	Viscosity (mPas)	Elongation at break (%)	Tensile strength (MPa)	HDT (°C)	Comments
BÜFA®-Firestop S 420	7160420	DCPD	56	500	2,6	54	90	Filled, halogen-free, pre-accelerated, for structural components in the hand lamination process
BÜFA®-Firestop S 425	716425	DCPD	56	230 (20s/1)	2,8	55	91	Unfilled, halogen-free, pre-accelerated, for structural components in the vacuum infusion process
BÜFA®-Firestop S 440	716440	VE	66	350	3,3	56	85	Pre-accelerated VE infusion resin for structural components using the vacuum injection process
BÜFA®-Firestop S 520	7160520	DCPD	74	800	2,8	82	100	ATH filled resin for structural components, pre-accelerated in the RTM process
BÜFA®-Firestop S 570	7160570	OP	84	1150	2	82	88	ATH-filled, thixotropic resin for structural components in the hand lamination process, pre-accelerated
BÜFA®-Firestop S 585	7160585	VE	74	450	1,1	39	93	Filled, pre-accelerated VE-LP resin with good fire retardant properties for components using the RTM process
BÜFA®-Firestop S 910 Foaming Resin	7960910	OP	60	700	nd	nd	nd	Unfilled foaming resin system with good fire retardant properties using the RTM process
BÜFA®-Firestop 5001-W-2	7165002	DCPD	80	1100 (20s/1)	2,2	87	90	High ATH-filled resin, for higher standards in the hand lamination process, pre-accelerated
BÜFA®-Firestop 5001-T-1	7165003	DCPD	nd	100	0.45 (filled)	51 (filled)	nd	Specially modified resin that enables high fill levels of up to 300 parts ATH, low smoke development, not pre-accelerated, for hand lamination processes
BÜFA®-Firestop 8175-W-1	7168175	DCPD	76	750 (20s/1)	3	80	>100	Filled thixotropic resin for structural components for hand lamination processes, pre-accelerated, can also be used for RTM processes

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Firestop Scrims for Infusion Components with Very High Mechanical Properties

Product name	Item no.
BÜFA®-Firestop Fabric Biaxial (+45 °/-45 °), 1200 gr., 127 cm	0240201
BÜFA®-Firestop Fabric Biaxial (+45 °/-45 °), 800 gr., 127 cm	0240202
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 410 gr., 127 cm	0240204
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 830 gr., 127 cm	0240205
BÜFA®-Firestop Fabric Bidiagonal (0 °/90 °), 970 gr., 127 cm	0240206
BÜFA®-Firestop Fabric Quadraxial, 1230 gr., 127 cm	0240207
BÜFA®-Firestop Fabric Quadraxial, 810 gr., 127 cm	0240200
BÜFA®-Firestop Fabric UD (0 °), 850 gr., 127 cm	0240203

Please contact your contact person in the respective country. The delivery programme may vary depending on the country.

FR Additives and Ancilleries

Product name	BÜFA®-Accelerator Complex 9004	BÜFA®-Additive Viscoreducer	BÜFA®-Accelerator-Foaming Agent	BÜFA®-Additive Repair Solution	BÜFA®-Accelerator Complex 0399
Item no.	715-9004	742-0018	742-2000	742-0030	742-1399
Comments	Accelerator complex for curing highly filled fire retardant systems based on polymeric cobalt	Viscosity reducer for filled HLU and injection systems	Blowing agent for fire retardant foam resin	Additive mixture for repairing gelcoat surfaces by spraying	Accelerator complex for Gelcoat S 270 and S 300

Vacuum consumables such as vacuum films, sealing tape, flow aids, peel ply and infusion nozzles feature in our product range. Please contact us directly.

Paint

Product name	
Item no.	Please contact us for information on choosing a suitable paint system. We are constantly in contact with all well-known manufacturers and can provide a large number of test results and certificates for guidance.
Chemical composition	

BÜFA®-Tec Machine Recommendations

Product name	BÜFA®-Tec GSU ES1 EM	BÜFA®-Tec Delta Evo-Line	BÜFA®-Tec Sigma 6 Evo-Line	BÜFA®-Tec Delta 3.3 RTM-Foaming Resin	BÜFA®-Tec RTM Delta EVO-LINE	BÜFA®-Tec GSU Omega EM
Applications	Gelcoat spraying unit	Fibre spray, gelcoat, impregnation system	Fibre spray and gelcoat unit	RTM applications	RTM applications	Gelcoat spraying unit
For processing	Small quantities	Medium quantities	Large quantities	Foaming resin	Injection resin	Medium quantities

More details are available on request, ask for the brochures. We are happy to advise you on which machine technology is suitable for your application. You are also welcome to test our demonstration machines on site

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BÜFA
Tooling Systems
In Great Shape
Composites

Tooling Systems

In Great Shape

Looking for advanced mould construction? Choose BÜFA®-Tooling Systems for conductivity, high-gloss finishes, and superior component quality. Trust our innovative solutions that only use premium materials for different moulds.

Tooling Systems - the Tried-and-Trusted Standard or The Safety of Conductivity We Offer Two Systems

1. BÜFA®-Tooling System

This consists of BÜFA®-VE Tooling Gelcoats and low-styrene, fast curing and virtually shrinkage-free BÜFA®-Tooling Resin. This system makes it possible to manufacture moulds of the highest technological quality in just one day instead of a week. Additional benefits include more attractive, high-gloss surfaces, less scrap, longer tool service life and new options for mould production.

2. BÜFA®-Tooling Conductive System

The innovative BÜFA®-Conductive Tooling System includes coordinated individual components, a range of Conductive Tooling Gelcoats, a 1. Layer Resin and a mould tooling resin. At the core of the mould-making system is an electrically conductive gelcoat that minimises dust build-up, less effort required for cleaning, faster cycle times, drastically reduces demoulding difficulties and also protects people and materials from electric shocks.

BÜFA®-Tooling Gelcoat

Product name	Item no.	Resin Base	Application	Colour
BÜFA®-Tooling Gelcoat-VE-S-A-black	x040107	VE	Spray	Black
BÜFA®-Tooling Gelcoat-VE-S-A-light green	x040109	VE	Spray	Light green
BÜFA®-Tooling Gelcoat-VE-H-A-black	x050107	VE	Spray	Black
BÜFA®-Tooling Gelcoat-VE-H-A-light green	x050109	VE	Spray	Light green
BÜFA®-Tooling-Conductive-Gelcoat-S-A-black	x040207	VE	Spray	Black
BÜFA®-Tooling-Conductive-Gelcoat-S-A-green	x040209	VE	Spray	Green
BÜFA®-Tooling-Conductive-Gelcoat-H-A-black	x050207	VE	Spray	Black
BÜFA®-Tooling-Conductive-Gelcoat-H-A-green	x050209	VE	Spray	Green

BÜFA®-1. Layer Resin

Product name	Item no.	Resin Base	Application	Colour
BÜFA®-Resin VE 0910	7000910	VE	HLU	Brown

BÜFA®-Tooling-Resin

Product name	Item no.	Resin Base	Application	Colour
BÜFA®-Resin VE 7100 Tooling	7007100	VE	HLU / FSU	Light brown
BÜFA®-Resin VE 6699 Tooling	7006699	VE	RTM / Infusion	Light brown

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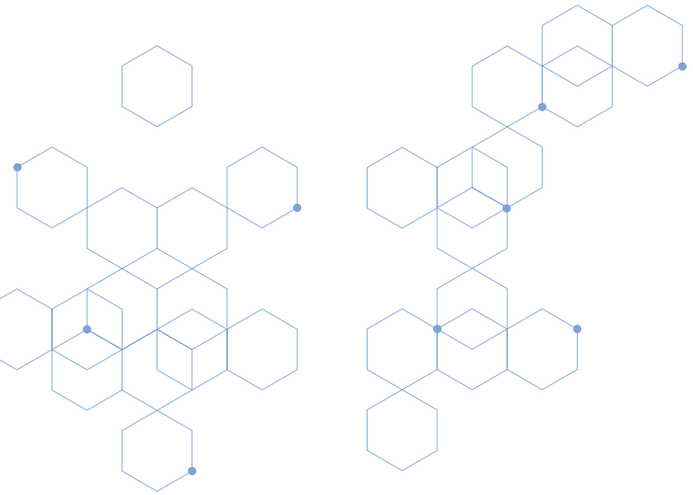

BÜFA

Conductive Systems

Reliable Protection

Composites

Conductive Systems

Reliable Protection

BÜFA®-Conductive Line products are tailored for different industries. These solutions ensure low electrical resistance and prioritize safety in explosive zones, preventing hazardous charges. Only conductive and antistatic items are recommended for such areas.

Systems	Advantage at a Glance
Conductive Tooling Systems **BÜFA®-Conductive Tooling System** The BÜFA®-Conductive Tooling System includes coordinated components, conductive gelcoats, and resins, primarily featuring an electrically conductive gelcoat for dust reduction, improved demoulding, and enhanced safety, along with benefits such as high-gloss surfaces, reduced cleaning effort, and increased tool lifespan.	- Safety in explosion protection areas - Eliminates dust attraction and improves the quality of demoulded parts - Easier demoulding with less effort - Faster cycle times For special products ask our experts!
Conductive Flooring Applications **BÜFA®-Conductive Masterbatch** BÜFA®-Conductive Masterbatches are ideal for creating conductive floor coverings in high-stress areas, especially in industrial settings with strict safety standards. These masterbatches ensure consistent and uniform conductivity, maintain working properties for process reliability, and allow for a wide range of color options due to their low concentration of functional additives.	- Wide range of colours - Very good flow properties - Process reliability: reproducible conductivity values and flow properties within narrow tolerances For special products ask our experts!
Conductive Applications in Tank Construction **BÜFA®-Conductive Resin and Topcoat Formulations** BÜFA offers specialized conductive resin and topcoat formulations for manufacturing durable fiber-reinforced composites, ensuring safety in tank and pipe construction exposed to harsh environments, including prevention of electrostatic ignition hazards. Our solutions provide both conductivity and ease of processing.	- Maximum fibre content - Maximum process reliability - Contamination-free For special products ask our experts!
Conductive SMC Components **BÜFA®-Conductive Masterbatch** BÜFA®-Conductive Masterbatches enhance SMC formulations, ensuring cost-effectiveness and reliability while meeting specific processing needs. With BÜFA's expertise, SMC materials can gain additional conductive properties, facilitating quick shaping within 2 to 5 minutes.	- Wide range of colours - High filling levels possible - Weatherproof For special products ask our experts!
Electrostatic Powder Coating **BÜFA®-Conductive Gelcoats** BÜFA®-Conductive Gelcoats enable powder coating of GRP components, expanding coating options for various applications through the electrostatic powder coating process, allowing for a wide range of finishes, including standard colors, matt, metallic, chrome, and textured surfaces, providing newfound design liberty.	- Emission-free - Can be used in lightweight engineering - Effect finishes, textured surfaces For special products ask our experts!
Safety, Fire and Explosion Protection **BÜFA®-Conductive Gelcoats** BÜFA offers Conductive Gelcoats for safety-critical applications like switch cabinets, fans, vacuum cleaners, and sewage treatment plant covers, providing conductivity without sacrificing gloss, color, UV protection, or media resistance. Additionally, BÜFA®'s Firestop makes GRP composite materials flame-retardant, with options for conductive properties in explosive environments.	- Wide range of colours - Fire protection and conductivity in one product - Optimum working properties For special products ask our experts!

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Foaming Resin Systems

Strong Lightness

Composites

Foaming Resin Systems

Strong Lightness

Discover our exclusive foaming resin range for crafting lightweight, robust components – with optional fire-resistance. Our system stands out!

Achieve rapid cycle times with the innovative foaming resin solutions. BÜFA provides a comprehensive package that includes resin, blowing agent, accelerator, and curing agent. Additionally, BÜFA offers optional machinery and mould making materials. Dedicated service is also a key part of our offering, ensuring customer satisfaction.

Foaming Resin Systems provided by BÜFA are ideal for passenger transport, wind energy, and more industries.

Foaming Resin Systems

Product name	Item no.	System Varieties	Resin base	Application	Comments	Industry	Characteristics
BÜFA®-Resin UP 7312 MC Foaming	7007312	10 Minutes Version	OP	VEX	Lightweight / Foaming Resin	Automotive	Foaming Agent 742-2000 BÜFA®-Accelerator is needed
BÜFA®-Resin UP 7325 MC Foaming	7007325	30 Minutes Version	OP	VEX	Lightweight / Foaming Resin	Automotive	Foaming Agent 742-2000 BÜFA®-Accelerator is needed
BÜFA®-Resin UP 7355 MC Foaming	7007355	60 Minutes Version	OP	VEX	Lightweight / Foaming Resin	Automotive	Foaming Agent 742-2000 BÜFA®-Accelerator is needed
BÜFA®-Firestop S 900 Foaming Resin with BÜFA®-Firestop GC S 285"	7160900	Firestop Foaming Resin System	OP	VEX	Complies with the highest fire protection standard EN 45545-2	Automotive / Railway	As a foamable fire protection resin system, it can be used wherever weight reduction is required under normal mechanical loads.
BÜFA®-Resin UP 6725 RTM Foaming	7006725	Foaming resin especially developed for the automotive industry	OP	RTM	Lightweight / Foaming Resin	Automotive	Foaming Agent 742-2000 BÜFA®-Accelerator is needed

Additional System Components

Product name	Item no.	Comments	Industry	Characteristics
BÜFA®-Accelerator	7422000	Especially developed for the BÜFA®-Foaming Resin System.		Is an aqueous blowing agent suitable for the foaming of specially formulated unsaturated polyester resins.

Peroxide	The products available to complement our complete programme may vary from country to country. For special enquiries, please get in touch with your contact person in the relevant country distribution entety.
BÜFA®-Tec Machine Technology	We recommend the BÜFA®-Tec Delta 3.3 RTM Foaming Resin Machine, item no. 0284475, which has been especially developed for the processing of BÜFA®-Foaming Resins. All media-carrying system components have been optimised for the high corrosiveness of the foaming agent.

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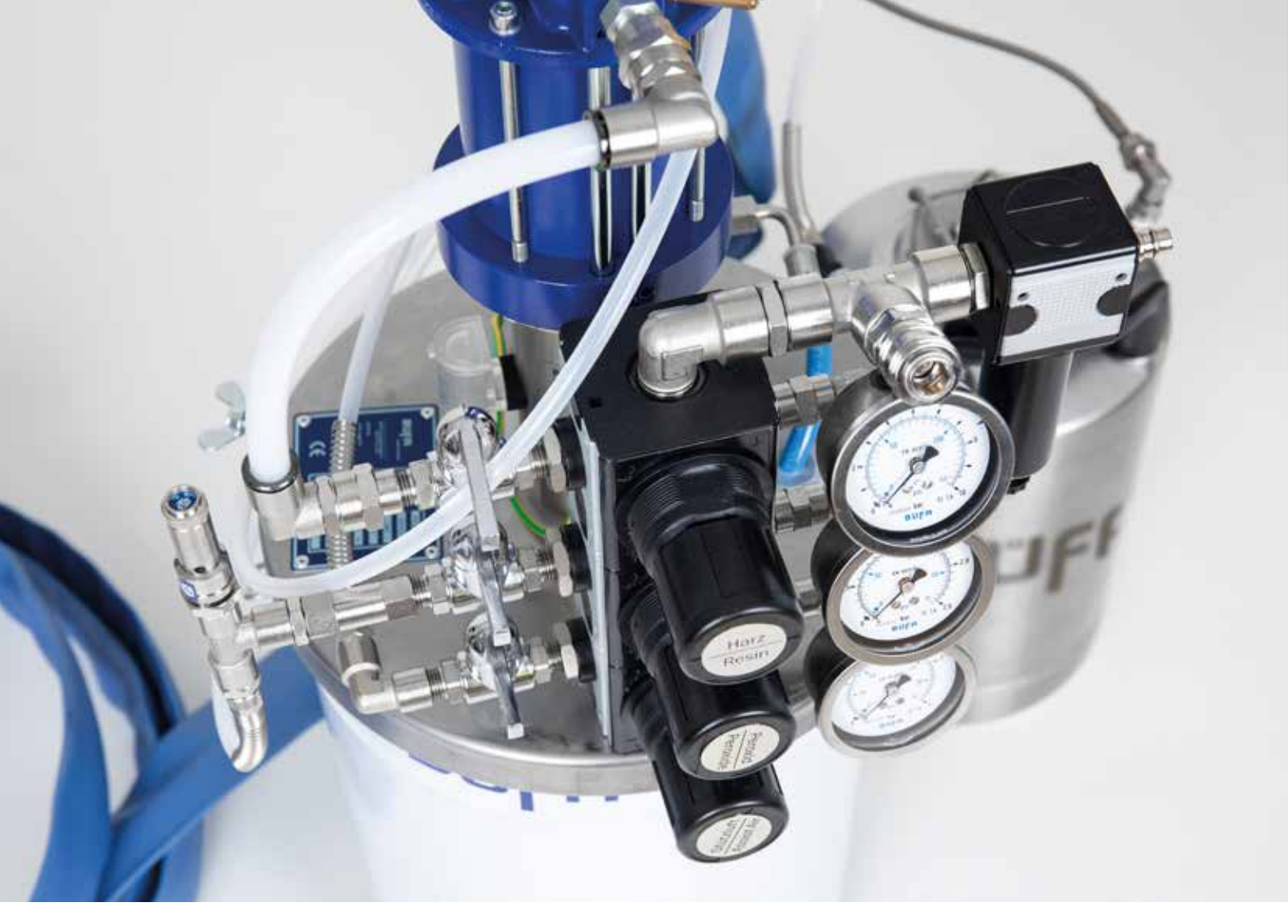
BÜFA Tec

Efficient Machine Technology

Composites



BÜFA Tec

Efficiency Machine Technology

Elevate your production with BÜFA Tec's robust and efficient processing machines, expertly crafted in-house to bring you sophisticated application technology. Our extensive selection includes reliable manual dispensing pumps. It also extends to superior systems for dispensing, mixing and application, designed to meet all your process requirements.

We collaborate closely with you to develop specialized machines tailored to your unique needs. Trust in our innovation and expertise to take your production to the next level.

Gelcoat Spraying Units

Product name	Item no.	Characteristics	Application
BÜFA®-Tec GSU ES1 EM	0280182	Streamlined system for maximum mobility	Cost-effective system for small amounts.
BÜFA®-Tec GSU DELTA EVO-LINE EM	0281980	Easy to operate machine with a clear structure	Purely pneumatically controlled system, designed for operation in hazardous areas using explosion-protected components. For processing medium amounts.
BÜFA®-Tec GSU SIGMA 6 EVO-LINE EM	0281985	Easy to operate machine with a clear structure	Purely pneumatically controlled system, designed for operation in hazardous areas using explosion-protected components. For processing large amounts.
BÜFA®-Tec GSU OMEGA EM	0282260	Cost-effective, easy to operate machine and robust in use.	Gelcoat application directly from the container (pail or drum), for smaller and medium-sized amounts.

Fibre Spraying Units

Product name	Item no.	Characteristics	Application
BÜFA®-Tec FSU DELTA EVO-LINE EM	0281982	Easy to operate machine with a clear structure	Purely pneumatically controlled system, designed for operation in hazardous areas using explosion-protected components
BÜFA®-Tec FSU SIGMA 6 EVO-LINE EM	0281987	Easy to operate machine with a clear structure	Purely pneumatically controlled system, designed for operation in hazardous areas using explosion-protected components

RTM Units

Product name	Item no.	Characteristics	Application
BÜFA®-Tec DELTA 3.3 RTM Foaming Resin	0284475	Has been optimised for the high corrosiveness of the foaming agent	RTM applications, especially developed for processing BÜFA foaming resins
BÜFA®-Tec RTM DELTA EVO-LINE	0281990	Easy to operate machine with a clear structure	RTM applications and resin injection

Bonding Paste Units

Product name	Item no.	Characteristics	Application
BÜFA®-Tec Gamma 4	0281130	Especially designed for processing Bonding Pastes from pails	Suitable for the application of products without fibres or hollow spheres
BÜFA®-Tec BPU Theta11	0281102	Especially designed for processing Bonding Pastes from drums	Suitable for the application of products without fibres or hollow spheres

Metering Pumps

Product name	Item no.	Characteristics	Application
BÜFA®-Tec Hand Metering Pumps	Various piston strokes with different scales and valves depending on metering materials	Exact, simple and uncomplicated metering technic	For metering liquids such as resins, lacquers, peroxides and many other mediums that can be pumped directly from a container or storage tank

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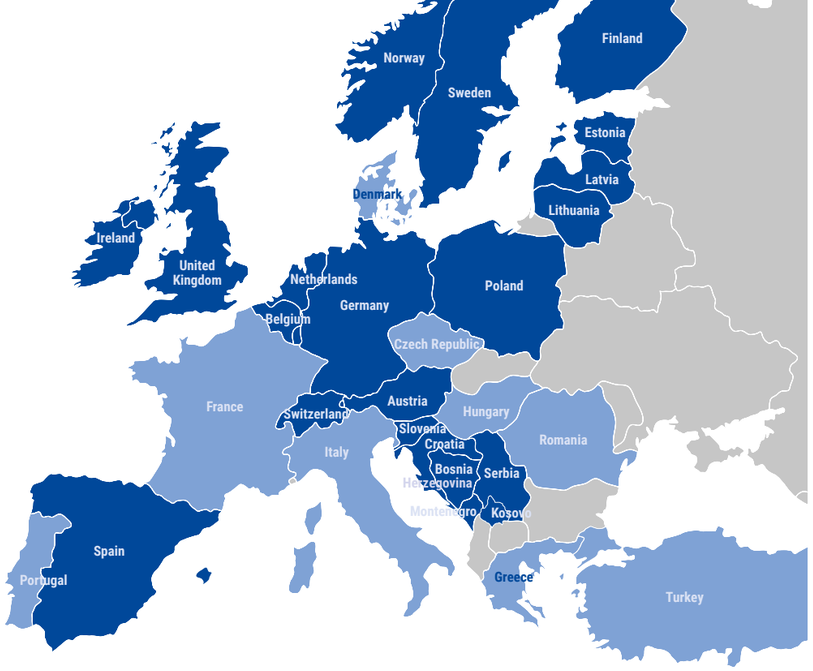
BÜFA goes Europe

One-Stop-Shopping with Strong Partners!



BÜFA Distribution
BÜFA Partner

BÜFA Specialties Export

BÜFA Composite Systems GmbH & Co. KG
Hohe Looge 2-8
26180 Rastede | GERMANY

Sylvia Jacob (Export)
Phone +49 (0) 4402 975-334
sylvia.jacob@buefa.de
www.buefa-composites.com

BÜFA Distributions

Austria | Slovakia | Hungary | Slovenia | Croatia | Bosnia and Herzegovina | Serbia | Kosovo | Montenegro

BÜFA Composites Austria GmbH
Wallgasse 21
1060 Vienna | AUSTRIA

Austria
Christian Kubalek
Phone +43 (0) 597 4712219
customerservice@buefa.at
www.buefa-composites.at

Slovakia | Hungary | Slovenia
Eike Siegert
Phone +43 (0) 664 2849471
customerservice@buefa.at
www.buefa-composites.at

Croatia | Bosnia and Herzegovina | Serbia | Kosovo | Montenegro
Damir Vinković
Phone +385 91 6181147
customerservice@buefa.at
www.buefa-composites.at

Baltic States

BÜFA Composites Baltic OÜ
Kõrtsi tee 9
75306 Lehmja | ESTONIA

Kait Vahter
Phone +372 53 413545
office@buefa.ee
www.buefa-composites.ee

Benelux | Northern France

BÜFA Composites Benelux B.V.
Dragonder 1b
5554 GM Valkenswaard
NETHERLANDS

Benelux
Martijn Moonen
Phone +31 68 2847069
customerservice@buefa.nl
www.buefa-composites.nl

Northern France
Céderic Flusu
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c.flusu@buefa.nl
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BÜFA Composites Nordics
c/o Satakerta Rödl & Partner Oy
Kalevankatu 6, 3. krs
00100 Helsinki | FINLAND

Finland
Sami Partio
Phone +358 (0) 50 5367733
sami.partio@buefa.de
www.buefa-composites.fi

Sweden | Norway
Olle Johnsson
Phone +46 70 3074432
olle.johnsson@buefa.de
www.buefa-composites.se

Germany | Switzerland

BÜFA Composite Systems GmbH & Co. KG
Hohe Looge 2-8
26180 Rastede | GERMANY

Uwe Eden
Phone +49 (0) 4402 975-306
uwe.eden@buefa.de
www.buefa-composites.de

Poland

BÜFA Composites Poland Sp. z o.o.
ul. Starogardzka 42-44
83-010 Straszyn | POLAND

Tomasz Zakrzewski
Phone +48 691 997 999
tomasz.zakrzewski@buefa.pl
www.buefa-composites.pl

Spain

BÜFA Composites Spain S. L.
Carrer de Can Manent 35
Poligono Industrial Can Roqueta
08202 Sabadell (Barcelona) | SPAIN

Jordi Geli
Phone +34 (0) 607 768971
jordi.geli@buefa.es
www.buefa-composites.es

United Kingdom | Ireland

BUFA Composites UK Ltd.
BUFA House
Factory Lane, Brantham
Manningtree, Essex
CO11 1NT | UNITED KINGDOM

Edmund Putwain
Phone +44 (0) 7775 901775
edmund.putwain@buefa.co.uk
www.buefa-composites.co.uk

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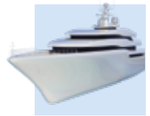

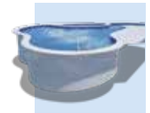

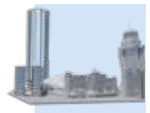
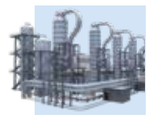

Abbreviations

BPA	= Bisphenol A
VE	= Vinyl Ester
VEU	= Vinyl Ester Urethane
EN	= Epoxy Novolac
OP/Ortho	= Orthophthalic Acid
IP	= Isophthalic Acid
NPG	= Neopentyl Glycol
MSA	= Maleic Acid
AA	= Adipic Acid
THP	= Tetrahydrophthalic Acid
DCPD	= Dicyclopentadiene
LSE	= Low Styrene Emission
TP	= Terephthalic Acid
PG	= Propylene Glycol
ISO	= Isophthalic Acid
DNV	= Det Norske Veritas
VEX	= Vacuum Expansion
rPET	= Recycled PET