ELANTAS Europe is part of the ALTANA group, a global leader in specialty chemicals.

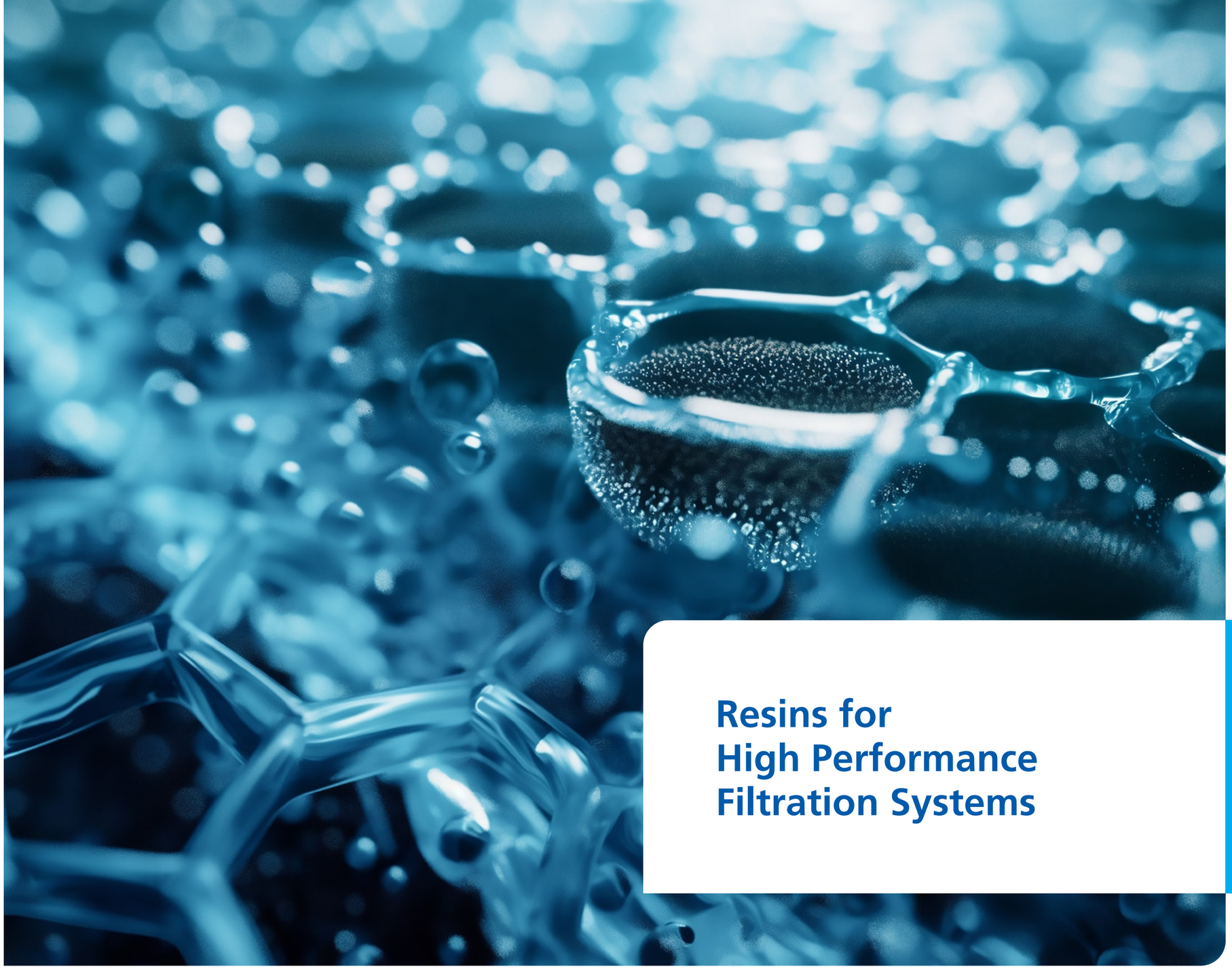
As specialist in formulating polyurethane, epoxy and silicone resins, we are offering a broad assortment of high performance products for a variety of composite application processes, e. g. laminating wet lay-up, RTM & press molding, vacuum bag infusion, pultrusion and filament winding.

In addition, our portfolio includes structural adhesives and sealants for a rapid bonding (incl. filter applications) and a full range of resins for tools and models such as extruding pastes for large shape, EP/PU tooling boards and liquid resins.

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Resins for High Performance Filtration Systems

Version 06/2026

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Filtration systems are subject to increasingly demanding operating conditions, including aggressive media, elevated temperatures and stringent regulatory requirements. Material selection and process compatibility are therefore critical to ensuring long-term performance and reliability.

Our portfolio of polyurethane and epoxy resins is specifically engineered to meet these challenges across a broad range of filtration technologies. Solutions are available for gas-solid industrial filters, chemically resistant liquid-solid systems, and membrane filtration processes. In addition, high-performance adhesives and sealants support robust bonding, sealing and structural integrity.

By combining material expertise with a strong application focus, we support our customers in improving efficiency, enhancing product quality and staying competitive in a rapidly evolving market.





Gas-Solid filtration (Industrial Filter):

Product	Chemical nature	Mix ratio	Max Tg [°C]	Color	Comment
Elan-tech® PC 58 LV / G 5	PU	100:90	141	light brown	Unfilled, very fast curing
Elan-tech® PC 59 MR / G 06	PU	100:110	83	beige	Unfilled, very fast curing
Elan-tech® AS 96 HR / AW 96 HR	EP	100:100	~80 *	grey	Filled, very fast curing

*not measured

Liquid-solid filtration (Chemical resistance):

Product	Chemical nature	Mix ratio	Mix viscosity [mPas@25°C]	Pot-life [Min @25°C/ different volumens]	Max Tg [°C]	Color	Comment
Elan-tech® AS 50 / AW 50.1	EP	100:50	260 000	35	95	grey	Filled EP
Elan-tech® AS 74 / AW 74 BIO	EP	100:45	82 500	38	95	black	BIO based raw materials
Elan-tech® ASM 028	EP	1K	350 000	n. a.	110	grey	High temperature curing
Elan-tech® ASM 031	EP	1K	1 150 000	n. a.	140	black	High temperature curing
Elan-tech® ASM 125	EÜ	1K	400 000	n. a.	130	grey	High temperature curing

Membrane filtration (Micro, Ultra-, Nanofiltration, Reverse Osmosis):

Product	Chemical nature	Mix ratio	Mix viscosity [mPas@25°C]	Pot-life [Min]	Max Tg [°C]	Color	Comment
CONAP AD 6415 A+B	PU	54:100	7000	100 000 mPas/ 6 min @ 25 °C	-40	milky white	Flexible, suitable for PW/food approvals
CONAP AD 6453 A+B	PU	50:100	650	100 000 mPas/ 50 min @ 25 °C	90	milky white	High Tg, suitable for PW/food approvals
Elan-tech® PC 185 / G 185	PU	100:90	500	21	58	pale yellow	suitable for PW/food approvals
Elan-tech® PC 186 / G 186	PU	100:150	2200	21	100	milky white	suitable for PW/food approvals
Elan-tech® PC 187 / G 185	PU	100:100	1700	40	60	milky white	suitable for PW/food approvals

Adhesives and Sealants for general purposes:

Product	Chemical nature	Mix ratio	Mix viscosity [mPas@25°C]	Pot-life [Min]	Max Tg [°C]	Color	Comment
Elan-tech® AS 7 / AW 6 NF	EP	100:100	550 000	21	43	pale yellow	Filled EP
Elan-tech® AS 46 / AW 46	EP	100:80	26 000	50	57	amber	Excellent peeling resistance
Elan-tech® AS 50 / AW 50.1	EP	100:50	260 000	35	95	grey	Filled EP
Elan-tech® AS 52 PRO / AW 13 NC	EP	100:100	15 000	3	43	pale yellow	Unfilled EP, fast curing
Elan-tech® AS 60 / AW 60.1	EP	100:50	500 000	42,5	130	grey	High thermal resistant, structural
Elan-tech® AS 70 / AW 70	EP	100:50	475 000	42,5	77	grey	flame retardant optional
Elan-tech® AS 162 / W 150 NF	EP	100:11	5000	14	73	pale yellow	Filled EP, self extinguishing



