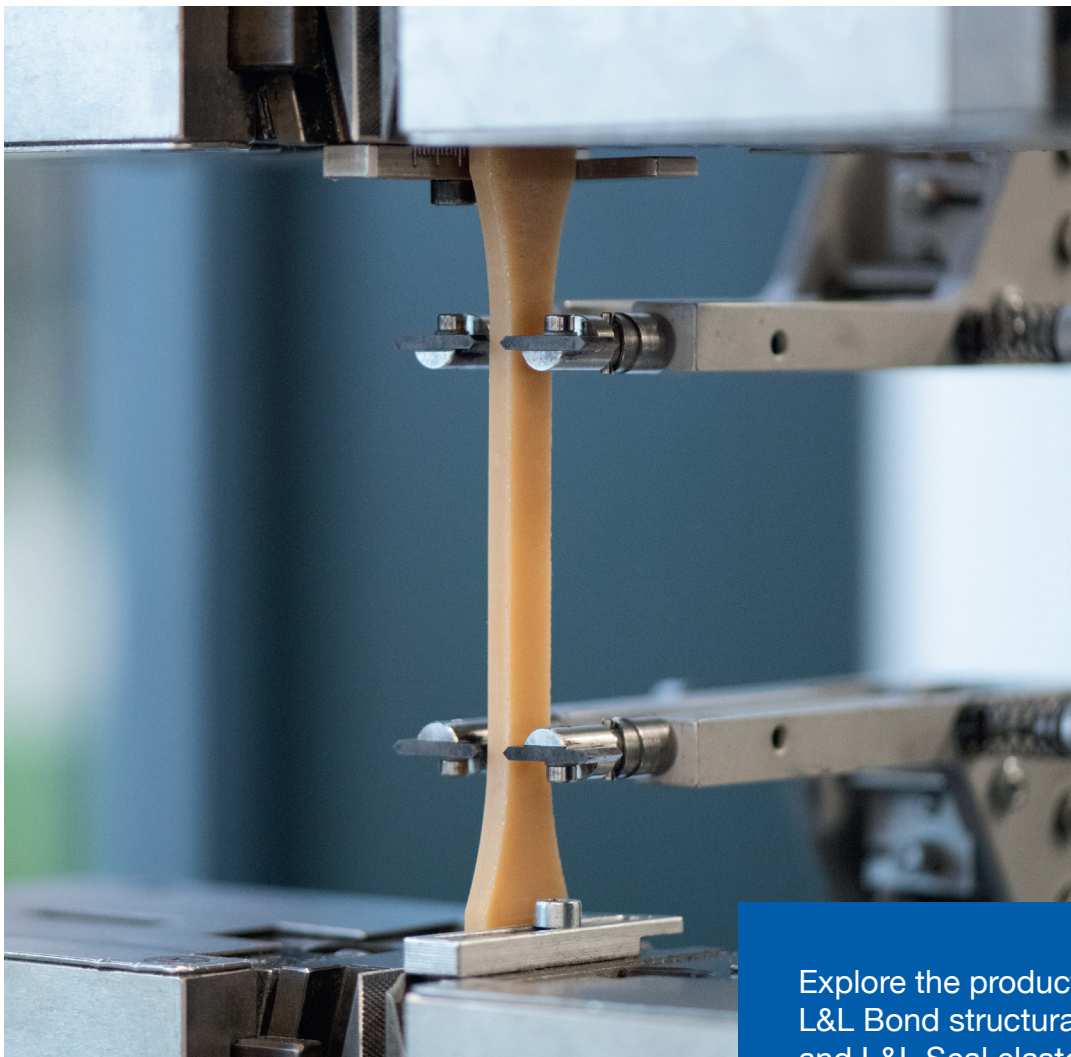




SELECTOR GUIDE

Ambient Curing Adhesives & Elastic Sealants.



Explore the product ranges for L&L Bond structural adhesives and L&L Seal elastomeric adhesives and sealants.



A-K Series

The L&L Bond A-K series of structural adhesives is a range of high performance, products formulated to provide durable, high-strength structural bonds on a wide variety of substrates. Two-component, fast curing structural adhesives are used in a number of industries such as automotive, commercial vehicle, rail transport and wind energy. They provide structural bonds in assemblies that require joining of dissimilar materials. The L&L Bond A-K series offers grades for a variety of demanding requirements to offer the right adhesive for each application.

Product	Product description	Certification	Colors	Mix ratio	Open time	Fixture time	Maximum gap (no boiling)	Lap-shear strength ²	Tensile strength	Modulus	Elongation at break	Cold rolled steel	Stainless steel	Electro galvanized steel	Hot dip galvanized steel	Aluminum*	E-Coat	PMMA	PVC	GRP	Gelcoats	SMC*	
A-K583	Fast-curing, non-sag MMA adhesive with excellent adhesion to metals, composites & plastics	■ ■	Tan/Black	10:1	5–7 min.	15–20 min.	100mm	20 MPa	18–22 MPa	1000–1300 MPa	15–25%	●	●	–	–	●	●	●	●	●	●	●	●
A-K585	Medium cure speed, non-sag MMA adhesive with excellent adhesion to metals, composites & plastics		Tan/Black	10:1	15–20 min.	25–35 min.	100mm	19 MPa	18–22 MPa	1000–1300 MPa	25–35%	●	●	–	–	●	●	●	●	●	●	●	●
A-K090	Fast-curing, non-sag adhesive specifically designed for galvanized steel bonding	■	Tan/Amber	1:1	4–7 min.	18–25 min.	5 mm	22 MPa	22–25 MPa	1200–1700 MPa	10–25%	●	●	●	●	●	●	●	●	●	●	●	●
A-K349 ¹	Fast/Medium cure speed, non-sag MMA adhesive with excellent adhesion to metals, composites & plastics	■	Black/Grey	10:1	8–12 min.	16–23 min.	15mm	17–21 MPa	14–17 MPa	400–600 MPa	60–80%	●	●	–	–	●	●	●	●	●	●	●	●
A-K321	Fast-curing, non-sag MMA adhesive with high impact resistance	■	Tan/Black	10:1	4–6 min.	14–18 min.	100mm	20 MPa	17–19 MPa	700–900 MPa	70–90%	●	●	–	–	●	●	●	●	●	●	●	●
A-K322	Medium cure speed, non-sag MMA adhesive with high impact resistance	■	Tan/Black	10:1	12–16 min.	32–38 min.	100mm	18 MPa	17–19 MPa	900–1100 MPa	70–90%	●	●	–	–	●	●	●	●	●	●	●	●

Typical values. Refer to the Technical Data Sheet for test methods and details.

Product	Product description	Certification	Colors	Mix Ratio	Working time at RT	Fixture time at RT	Fixture time at 65°C	Lap shear strength at RT	Lap shear strength at 120°C	Tensile strength	Modulus	Elongation	HPL	Aluminium *	Stainless steel *	GRP	Phenolics	Wood
A-K432	Low viscosity epoxy adhesive with high strength and heat resistant properties	■	Amber	2:1	90 min.	7 hr.	60 min.	25 MPa	5 MPa	20 MPa	2800 MPa	1%	●	●	●	●	●	●
A-K434	Fast curing epoxy adhesive with high strength and heat resistance		White	2:1	15 min.	90 min.	2–5 min.	27 MPa	5 MPa	20 MPa	3400 MPa	1%	●	●	●	●	●	●

Typical values. Refer to the Technical Data Sheet for test methods and details.

¹ Available in select regions only. ² Abraded aluminum - 0.3 mm. * Surface preparation needed.



A-J Series

The L&L Seal A-J Series elastomeric adhesives/sealants are a range of high performance, ambient curing paste materials formulated to provide durable elastic sealing bonds on a wide variety of substrates. Elastomeric adhesive/sealants are used in the automotive, commercial vehicle and rail industry, where they provide highly flexible adhesive bonds in assemblies that require thick joint

lines that absorb a lot of movement or are subject to high mechanical forces. They also provide reliable sealing of joints against the ingress of liquids, forming an integral part of the anti-corrosion strategy of such assemblies. Elastic joints can also act as acoustic decouplers. The L&L Seal A-J Series offers robust primerless adhesion on various substrates that include glass, composites, and metals.

Product	Product description	Certification	Colors	Skimming time ²	Cure rate ³	Shore A hardness	Over paintable	UV-resistant	Tensile strength	Lap shear strength	Elongation at break	Cold rolled steel	Stainless steel	Aluminum*	Electro galvanized steel	Hot dip galvanized steel	E-Coat	Glass	GRP
A-J115 ⁴	Multi-purpose, no solvent PU-adhesive with superior gap filling capabilities and long open time	■	Black	30–40 min.	3–4 mm/24h	60 approx.	Yes	Yes	8.5 MPa	2.5 MPa	450%	●	●	●	●	●	●	●	●
A-J215	Multi-purpose adhesive/sealant. Isocyanate & solvent-free	■ ■ □	Black, White, Grey	30 min.	2–3 mm/24h	50 approx.	Yes	Yes	2.0 MPa	1.2 MPa	250%	●	●	●	●	●	●	●	●
A-J235	Mid strength elastomeric adhesive. Isocyanate & solvent-free	■	Black	15 min.	3–4 mm/24h	60 approx.	Yes	Yes	3.8 MPa	1.5 MPa	350%	●	●	●	●	●	●	●	●
A-J920	High performance elastomeric adhesive, Isocyanate & solvent free	■ □	Black	25–35 min.	3–4 mm/24h	60 approx.	Yes	Yes	6.0 MPa	3.5 MPa ⁵	≥350%	●	●	●	●	●	●	●	●

Typical values

■ EN 45545-2 □ UL 94HB □ ISEGA Certification in progress

■ International Maritime Organization approved

³ At 23°C / 50% RH. ⁴ Primer required to bond. ⁵ Valid for ceramic frit and coated steel surfaces only. * Surface preparation required.

Other products are also available. Please consult L&L Products Technical Service & Support Staff for more details.

Engineered Innovation.

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