



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 are 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 in widespread use in a number of industries such as the automotive, commercial vehicle, rail transport and wind energy, where they provide structural bonds in assemblies that require joining of many different materials. The L&L Bond A-K series offers grades for a variety of demanding requirements to offer the optimum adhesive for each application.

Product	Product description	Certification	Colors	Chemistry	Mix ratio	Open time	Fixture time	Maximum gap	Lap-shear strength	Tensile strength	Modulus (MPa)	Elongation at break	Cold rolled steel	Stainless steel	Electro galvanized steel	Hot dip galvanized steel	Aluminium	ABS	PMMA	PVC	GRP	CFRP	Gelcoats	SMC
A-K583	Fast-curing, non-sag adhesive with excellent adhesion to metals, composites & plastics with unlimited gap filling capabilities	■	Tan/Black	MMA	10:1	5–7 min.	7–12 min.	>100mm	20 MPa	18–22 MPa	1000–1300	15–25 %	●	●	—	—	●	●	●	●	●	●	●	●
A-K585	Non-sag general purpose MMA bonding for metals, composites & plastics with unlimited gap filling capabilities	■	Tan/Black	MMA	10:1	15–20 min.	25–35 min.	>100mm	19 MPa	18–22 MPa	1000–1300	25–35 %	●	●	—	—	●	●	●	●	●	●	●	●
A-K090	Fast curing, non-sag adhesive specially designed for galvanized steel bonding	■	Tan/Amber	MMA	1:1	4–7 min.	18–22 min.	5 mm	17 MPa	24.5 MPa	1450	30–45 %	●	●	●	●	●	●	●	●	●	●	●	—
A-K348	Fast-curing non-sag impact resistant MMA with high elongation and excellent adhesion to metals, composites & plastics	■	Grey	MMA	10:1	3–6 min.	8–10 min.	13mm	18 MPa	15.5 MPa	550	70 %	●	●	—	—	●	●	●	●	●	●	●	●
A-K349	Medium-curing non-sag MMA with high elongation and excellent adhesion to metals, composites & plastics	■	Black/Grey	MMA	10:1	8-11 min.	16–23 min.	15 mm	17-21 MPa	14-17 MPa	500	70 %	●	●	—	—	●	●	●	●	●	●	●	●
A-K321	Low odor, fast curing, high impact resistant MMA with low read through and unlimited gap fill capabilities	■	Tan/Black	MMA	10:1	4–6 min.	7–12 min.	>100mm	20 MPa	17–19 MPa	700–900	70–90 %	●	●	—	—	●	●	●	●	●	●	●	●
A-K322	Low odor, medium open time, high impact resistant MMA with unlimited gap fill capabilities	■	Tan/Black	MMA	10:1	12–16 min.	25–32 min.	>100mm	18 MPa	16–18 MPa	800–900	70–90 %	●	●	—	—	●	●	●	—	●	●	●	●

Product	Product description	Certification	Colors	Chemistry	Mix Ratio	Open time at RT	Gel 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	CFRP	Phenolics	Wood
A-K432	Low viscosity epoxy adhesive with high strength and heat resistant properties	■	Amber	Epoxy	2:1	80–90min.	90 min.	1 day	60 min.	25 MPa	> 5 MPa	20 MPa	2800 MPa	1	●	●	●	●	●	●	●
A-K434	Fast curing epoxy adhesive with high strength and heat resistance	■	Off white	Epoxy	2:1	4–6 min.	15 min.	90–110 min.	2–5 min.	27 MPa	> 5 MPa	26 MPa	3400 MPa	1	●	●	●	●	●	●	●

\* 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 joint lines 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 ranging from – but not limited to – common composites, metals and fibreglass.

Product	Product description	Certification	Colors	Chemistry	Tack-free time	Cure rate	Shore A hardness	Over paintable	UV-resistant	Tensile strength	Elongation at break	Cold rolled steel	Stainless steel	Aluminium	Electro galvanized steel	Hot dip galvanized steel	ABS	Glass	GRP
A-J115*	Multi-purpose, no solvent PU-adhesive with superior gap filling properties and long open time	■ ■	Black	PU	30-40min.	2–3mm/24h	55-65 approx.	Yes	Yes	7 - 10 MPa	450 %	●	●	●	●	●	●	●	●
A-J215	Multi-purpose adhesive/sealant. Isocyanate & solvent-free	■ ■	Black, White, Grey	SMP	30 min.	3–3.5 mm/24h	50 approx.	Yes	Yes	2.0 MPa	250 %	●	●	●	●	●	●	●	●
A-J235	Structural elastic adhesive. Isocyanate & solvent-free	■ ■	Black	SMP	15 min.	3–4 mm/24h	60 approx.	Yes	Yes	3.8 MPa	350 %	●	●	●	●	●	●	●	●

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