



Elan-glu^e®

Adhesives for stable and
secure connections

Adhesives of the Elan-glue® product line are available in a highly filled and an unfilled version. The viscosities range from 400 mPas to 100,000 mPas. For the accurate application of adhesive beads, thixotropic products are also offered, with which layer thicknesses of up to 2000µm can be achieved.

In addition, the electrical insulating properties are excellent and feature a very good adhesion to the materials commonly used in industry and electronics manufacturing, such as copper, FR4, quartz, aluminum, PC, PP, PET, PA and PBT.

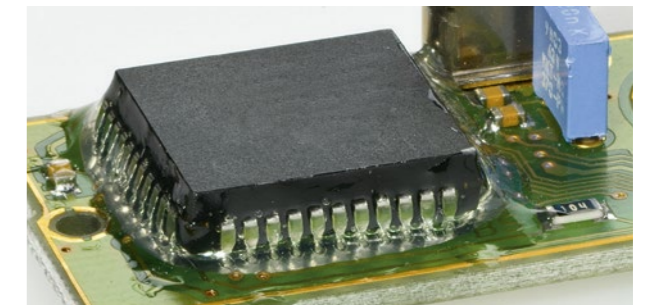
ADHESIVES FOR INDUSTRIAL AND ELECTRONIC APPLICATION

Elan-glue®				temperature range [°C]	viscosity [Pas]	Tg [°C]	density [g/cm³]	curing conditons exsample	
AC 1611	Constructional	UV cure	1k	-20...100	0.4	45-70	1.08	65mW/cm²@10s	semi hard; glass/metal for m²; glass/glass; UV stable
AC 1631	Constructional	UV cure	1k	-20...100	1.7	60-75	1.1	65mW/cm²@10s	non-polar plastic to be joint eachother; (like PE, PP, PS, PVC etc.) or to glass or metal; UV stable
AC 1650	Constructional	UV cure	1k-thixothrope	-20...100	14	>150	1.05	65mW/cm²@10s	polar plastic to be joint eachother (like PC; PMMA, ABS, SAN, etc.) or to glass or metal; UV stable
AR 4510	Constructional	Thermal cure	2k-thixothrope	-40...90	1	55-60	1.12	8h@RT	acceeleration with T; metal/glass/ceramic
AR 4800 N	Constructional	Moisture cure	1k	-50...90	2.4		1.05	24h@RT	
AR 4820 N	Constructional	Moisture cure	1k	-45...100	7		0.99	24h@RT	PA/rubber
AR 4822 N	Constructional	Moisture cure	1k	-45...100	15		0.98	24h@RT	PA/rubber
AR 4824 N	Constructional	Moisture cure	1k	-50...100	16		1.1	24h@RT	flexible fixing of condensators
AR 4826 N	Constructional	Moisture cure	1k-thixothrope	-50...100	thixothrope		1.1	24h@RT	flexible fixing of condensators
AR 4828 N	Constructional	Moisture cure	1k-thixothrope	-50...100	thixothrope		1.1	24h@RT	flexible fixing of condensators
SA 7535	Sealing	Thermal cure	2k-thixothrope	-40...180	50		1.48	1h@85°C	Sealing / Adhesive for housings
EP 5611	Glob Top	UV cure Thermal cure	1k-thixothrope	...150	32.5	150	1.63	50mW/cm² UVA@3s+RT or 2h@120°C	metal/plastic/glass CTE<Tg = 41ppm dispensing-UV-fixing
EP 5320	Glob Top	Thermal cure	1k or 2k		17	132	1.7	>130°C	ceramic/EP-glass cloth chlorine <5 ppm; 1mbar vacuum
EP 5310	Glob Top Surface Mount	Thermal cure	1k-thixothrope	...150	25	122	1.6	2h@150°C	RT and vacuum
EP 5311	Surface Mount	Thermal cure	1K	-20...150	170	125		1h@120°C	fast fixing; Yield point
EP 5350	Surface Mount	Thermal cure	1k-thixothrope	...130	7.75	40-50	1.2	>80°C	glass/glass; glass/metal; polar plastic
EP 5610	Surface Mount	UV cure Thermal cure	1k		1	125	1.2	150mW/cm² UVA@5s+RT or 1h@150°C	metal/plastic/glass CTE<Tg = 70ppm dispensing-UV-fixing
EP 5330	Underfill	Thermal cure	1k		20		1.6	190°C@15s	chlorine <5 ppm; geltime6d@RT
EP 5331	Underfill	Thermal cure	1k	...150	25	122	1.6	>130°C	CTE<Tg = 58ppm
EP 5332	Underfill	Thermal cure	1k	...150	41	150	1.45	0,5h@130°C	chlorine <5ppm relay, LCP
EP 5340	Thermal Management	Thermal cure	1k		100	115	2.3	3h@120°C	1W/mK; geltime6d@RT

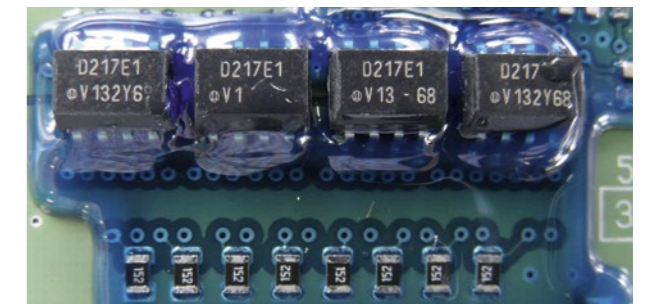
Electronic Applications



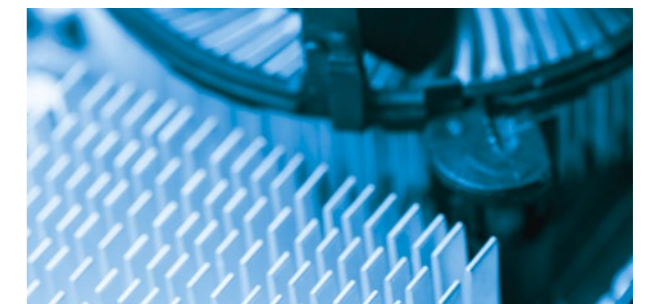
Glob Top



Underfill



Surface Mount Adhesive



Thermal Management

Worldwide locations



ELANTAS GmbH
Wesel – Germany

ELANTAS Europe GmbH
Hamburg – Germany
Manchester – United Kingdom

ELANTAS Europe S.r.L.
Ascoli Piceno, Collecchio,
Quattordio – Italy

ELANTAS PDG, Inc.
St. Louis – U.S.A.

**ELANTAS Isolantes
Elétricos do Brasil, Ltda.**
Cerquillo – Brazil

ELANTAS Beck India, Ltd.
Anklshwar, Pune – India

ELANTAS Zhuhai Co., Ltd.
Zhuhai – P.R. China

ELANTAS Tongling Co., Ltd.
Tongling – P.R. China

ELANTAS Malaysia Sdn. Bhd.
Kuala Lumpur, Malaysia

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