

Elan-glue®

Adhesives for stable and secure connections



adhesive beads, thixotropic products are also offered, with per, FR4, quartz, aluminum, PC, PP, PET, PA and PBT. which layer thicknesses of up to 2000µm can be achieved.

Adhesives of the Elan-glue® product line are available in a In addition, the electrical insulating properties are excellent highly filled and an unfilled version. The viscosities range from and feature a very good adhesion to the materials commonly 400 mPas to 100,000 mPas. For the accurate application of used in industry and electronics manufacturing, such as cop-

ADHESIVES FOR INDUSTRIAL AND ELECTRONIC APPLICATION

Elan-glue®				temperature	viscosity	Tg		curing conditons	
	1			range [°C]	[Pas]	[°C]	[g/cm³]	exsample	
AC 1611	Constructional	UV cure	1k	-20100	0.4	45-70	1.08	65mW/cm ² @10s	semi hard; glass/metal for m²; glass/glass; UV stable
AC 1631	Constructional	UV cure	1k	-20100	1.7	60-75	1.1	65mW/cm ² @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	-20100	14	>150	1.05	65mW/cm ² @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	-4090	1	55-60	1.12	8h@RT	acceleleration with T; metal/glass/ceramic
AR 4800 N	Constructional	Moisture cure	1k	-5090	2.4		1.05	24h@RT	
AR 4820 N	Constructional	Moisture cure	1k	-45100	7		0.99	24h@RT	PA//rubber
AR 4822 N	Constructional	Moisture cure	1k	-45100	15		0.98	24h@RT	PA//rubber
AR 4824 N	Constructional	Moisture cure	1k	-50100	16		1.1	24h@RT	flexible fixing of condensators
AR 4826 N	Constructional	Moisture cure	1k-thixothrope	-50100	thixothrope		1.1	24h@RT	flexible fixing of condensators
AR 4828 N	Constructional	Moisture cure	1k-thixothrope	-50100	thixothrope		1.1	24h@RT	flexible fixing of condensators
SA 7535	Sealing	Thermal cure	2k-thixothrope	-40180	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/cm ² UVA@3s+RT or 2h@120°C	metal/plastic/glass CTE <tg 41ppm="" =="" dispensing-uv-fixing<="" td=""></tg>
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	-20150	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/metall; polar plastic
EP 5610	Surface Mount	UV cure Thermal cure	1k		1	125	1.2	150mW/cm ² UVA@5s+RT or 1h@150°C	metal/plastic/glass CTE <tg 70ppm="" =="" dispensing-uv-fixing<="" td=""></tg>
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<="" =="" td=""></tg>
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







Surface Mount Adhesive



Thermal Management

Elan-glue® Adhesives

Elan-glue® adhesives are developed in close cooperation with the customer. In this way, products tailored for individual requirements can be made.

The materials, based on polyurethane, acrylic, epoxy and silicone, are universally applicable and create stable and secure connections bonding for plastics, metals, glass and composite materials. Elan-glue® adhesives are also available in solvent-free design, so that no volatile organic compounds (VOC) are released.

The product range covers thermosetting adhesives with very good temperature resistance, as well as high long-time strength to withstand even large impacts. In addition, a wide range of UV-curing materials, which ensure a very fast hardening, is available. Further processing is then immediately possible.

The one-component-glue Elan-glue® adhesives are easy and reliably to apply with standard 1K-dosing devices. Through reliable manufacturing process they are perfectly suited for series production. The adhesives can be applied accurately with short cycle times, so that the efficiency in the automated manufacturing process can be greatly increased.

Industrial Applications



UV-Adhesive



Constructional Metal/Plastic



Constructional Rubber/Plastic



Sealing

ADHESIVE MATRIX FOR SEVERAL SURFACES

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			EP 5310		EP 5320	EP 5331	EP 5332	EP 5340	EP 5610	
Quartzglass										
Quartzglass										
Quartzglass										
AlMgSi05/F22										
AlCuMg1										
Quartzglass										
AlCuMg1										
AlMgSi05/F22										
FR4										
AlMgSi05/F22										
FR4										
Quartzglass										
PA66 GF30										
Quartzglass										
PA66 GF30										
AlMgSi05/F22										
PET										
AlMgSi05/F22										
PET										
Quartzglass										
PET										
PET										
PP										
AlMgSi05/F22										
PP										
Quartzglass										
PBT GF20										
Quartzglass										
PBT GF 20										
AlMgSi05/F22										
PC										
Quartzglass										
PC										
AlMgSi05/F22										

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.

Cerquilho – Brazil

ELANTAS Beck India, Ltd.

Ankleshwar, Pune – India

ELANTAS Zhuhai Co., Ltd.

Zhuhai – P.R. China

ELANTAS Tongling Co., Ltd.

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