

Bonding of buried magnets into a rotor; light fixation so that production can continue quickly

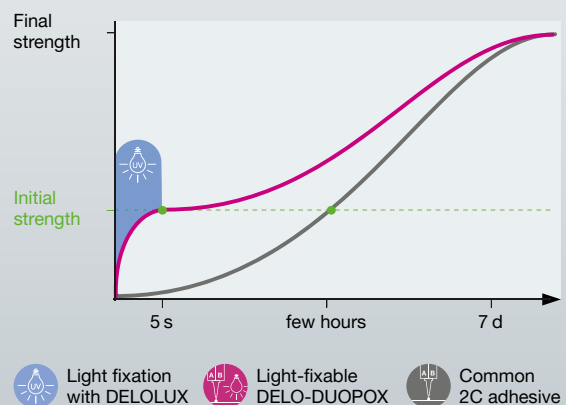
The revolution: Light-fixable 2C adhesives

Short cycle times by curing within seconds

2C epoxy resins are suitable for structural bonding and protective potting. For many industrial applications, the time lapse before reaching initial strength was deemed a major disadvantage – until now:

The new light-fixable DELO-DUOPOX DB (DB = Dual Bonding) products are faster than any previous 2C epoxy resin. It secures the components against slipping in just a couple of seconds, so that processing of the entire assembly can go ahead immediately. Reliable final curing – even in shadowed areas – is the same as for regular 2C products at room temperature or speeded up by heat.

Initial strength in seconds due to light fixation



Your benefits



Fast light fixation within a few seconds

Production can continue quickly, short cycle times, increased throughput



Reliable final curing at room temperature

Investment and energy costs for heat curing are eliminated, less space required in production



Storage/transport at room temperature

Simple, cost-efficient logistics



High strength

Reliable protection of components, improved functionality



Excellent temperature resistance

Consistent adhesive properties over the entire lifetime of the components



Excellent media resistance

Reliable function over the entire lifetime of the components



Low outgassing, low shrinkage

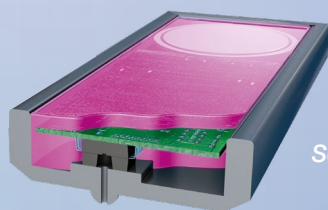
Use in optoelectronic applications, such as cameras, possible



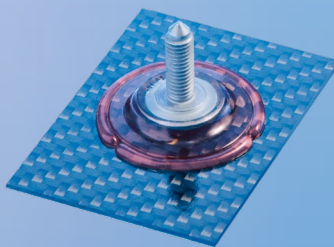
Low halogen content

Suitable for consumer electronics products

Areas of use

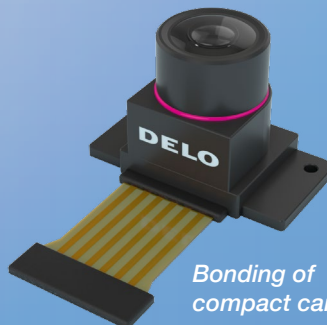
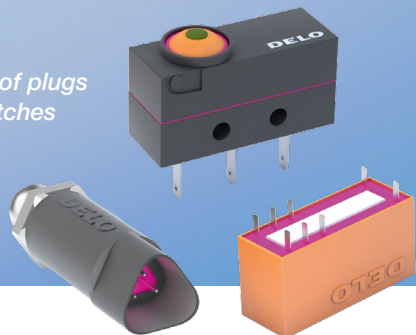


Sensor potting

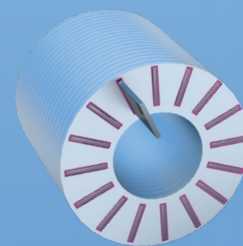


Bonding of structural connecting elements (ONSERT®)

Sealing of plugs and switches



Bonding of compact camera modules



Magnet bonding for e-motors



VIDEO ON APPLICATIONS & FUNCTIONAL PRINCIPLE:

www.youtube.com/watch?v=RgY96MC5_KQ

Technical features

	DELO-DUOPOX DB8989	DELO-DUOPOX VE 27412
Application	bonding	bonding
Color	whitish opaque	beige opaque
Viscosity [mPa·s]	170,000 comp. A 160,000 comp. B	13,000 comp. A 43,000 comp. B
Light fixation time until initial strength [s] LED 400 nm, intensity 1,000 mW/cm ² DELOLUXcontrol	1 – 20*	1 – 10*
Curing time until final strength [d] at room temperature (approx. +23 °C), not irradiated	7	7
Tensile shear strength Al/Al [MPa]	28	25
Storage life at room temperature (approx. +23 °C)	6 months	3 months

* depending on component geometry and adhesive volume

DB = Dual Bonding

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ADHESIVES

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