

## Epoxy-Adhesive

### Description

Epoxy adhesive is a high-strength, dual-component universal adhesive which dries quickly at room temperature and can be used at temperature ranges up to 120 °C. It is ideally suited for bonding and repairing metal, wood, concrete, glass, ceramics, plastic and rubber – both with themselves and each other. Epoxy adhesive is also suitable for sealing electronic parts and components.

### Properties

- rapid curing
- outstanding electric strength
- high strength
- high chemical resistance
- hardly any loss of material
- easy to use

### Technical data

Base	Epoxidharz, Härter / epoxy resin, hardener
Thermal conductivity	0,1 W/m·K
Volume resistance	3 – 5 x 10 E12
Mixing ratio	1:1
Dielectric strength	50 – 90 kV/mm
Coefficient of thermal expansion	60 – 120 x 10 E-6 1/k
Processing time / open time	ca. 5 min. je nach Schichtstärke / approx. 5 min. depending on layer thickness
Hardness, Shore A	78 - 80 ASTM D 2240
Chemical resistance	Sehr gute Beständigkeit gegen Benzin, Öl, 10%-ige Essigsäure, Xylen, Paraffin, Wasser. / Very good resistance against petrol, oil, 10 % acetic acid, xylene, paraffin, and water.
Final strength	16 h
Thermal stability	bis 120 / up to 120 °C
Curing rate at 23 °C / 50 % rh	2 – 3 h
Shelf life	24 Monate bei +21°C verschlossenem Zustand / When sealed, 24 months at +21 °C



### Technical data

Color / appearance	weiß / white
Shear resistance	3-5 N/mm <sup>2</sup> ISO 4578
Specific weight	1,1 g/cm <sup>3</sup>
Combined tension and shear resistance	14-18 N/mm <sup>2</sup> DIN 53283
Odor	charakteristisch / characteristic
Flash point	>188 °C
Form	viskos / viscous
Density at 20 °C	1,15 g/cm <sup>3</sup>
Viscosity at 20 °C	13000-18000 cP
Shelf life in original sealed container	24 Monate

### Areas of application

Epoxy Adhesive is ideal for repairs or for bonding and insulation in car and vehicle manufacture, as well as for hobbies and in the household and garden. With Epoxy Adhesive, various material such as metals, wood, concrete, glass, ceramics, plastic and rubber can be bonded to themselves and to each other. The Epoxy Adhesive is equally suited for sealing electronic parts and components. Replacement mixer (mixer tip with thread, part no. 6029)

### Application

Clean and degrease the surfaces to be bonded using Liqui Moly cleaner and thinner (item no. 6130). Immediately before use, remove the cap or previously used, dried-out mixer and attach a new mixer onto the cartridge. Apply the adhesive directly to the surface to be bonded. Join the parts together and leave them to dry. The handling time is 5 minutes and the drying time between 2 and 3 hours at room temperature. After use, leave the mixer on the cartridge. Store in a cool, dry place.

**Note:** On smooth surfaces, the adhesive qualities are improved by roughening the bonding surface.

# Product information

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## Epoxy-Adhesive

### Available pack sizes

25 ml Blister

6183

D-GB-F-I-E-NL-P

**Our information is based on thorough research and may be considered reliable, although not legally binding.**