

Liquid Metal

Description

Liqui Moly Liquid Metal is a fast-curing 2 component epoxy adhesive with very high strength properties. Liqui Moly Liquid Metal is used to fill or level missing spots in a variety of materials such as aluminium, copper, steel, brass, concrete, FK/SMC, wood, glass, plastics, ceramics, painted metal, graphite, polyurethane, galvanised metals, hard plastics, etc. or to bond different materials together. After curing the repaired spot can be machined again, ground or painted over. The maximum bonding strength is achieved at a visual thickness of approx. 0.13 mm. The full bonding strength develops after approx. 2 - 3 hours.

Properties

- good adhesion
- after curing, suitable for machining
- high strength
- outstanding chemical resistance
- universal application
- permanent quick repairs
- can be ground and painted over
- rapid curing

Technical data

Viscosity at -25 °C	0,015 - 0,020 N/mm ²
Mixing ratio	1:1
Color / appearance	gemischt/mixed: grau/grey
Processing time at 23 °C/50 % relative humidity	4-6 min
Specific weight	1,30 g/cm ³
Solids content	100 %
Thermal stability	bis max. 120 / to max. 120 °C
Final strength	2-3 h
Hardness, Shore A	78-80 ASTM D 2240
Shear resistance	3-5 N/mm ²
Thermal conductivity	0,1 W/m·K
Coefficient of thermal expansion	60 - 120 x 10E ⁻⁶ 1/K
Dielectric strength	50-90 kV/mm
Specific electrical volume resistance at 20 °C	3 -5 x 10E ¹² Ω · cm



Technical data

Chemical resistance ausgezeichnet gegen Benzin, Essigsäure (10%), Xylen, Motorenöl, Parafin und Wasser / excellent against gasoline, ethanoic acid (10%), xylene, motor oil, paraffin and water

Shelf life in original sealed container 12 Monate

Areas of application

For filling and troweling cracks, holes, misborings and shrink holes as well as repairs to pipes, tanks, threads and car-body and machine parts or for bonding different materials to themselves and to each other. Replacement mixer (mixer tip with thread, part no. 6029).

Application

Liqui Moly Liquid Metal comes in a practical twin-syringe where the mixing ratio of the two components is automatically dosed correctly. The surfaces to be bonded must be dry, free from oil, grease, dust and other dirt residues. We recommend Liqui Moly Cleaner & Thinner Item No. 6130 for cleaning. Apply Liqui Moly Liquid Metal to the spot to be processed and spread with a putty knife, if applicable. After curing the repaired spot can be machined again, ground or painted over.

Available pack sizes

25 ml Blister 6193
D-GB-F-I-E-NL-P

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