The high-performance 2-part adhesives from Elring

elring
Das Original

Strong bonds for a wide range of applications.

The universal 2-part adhesives for fast and professional repairs to engines and bodywork

The 2-part adhesives from Elring enable strong, permanent repairs and structural bonding on a wide range of metals, plastics and other materials. Curing takes place as a result of the chemical reaction of the two parts.

- Fast and reliable repairs
- Suitable for structural and cosmetic bonding
- Fast curing
- Excellent strength and adhesion
- Can be ground/sanded and painted over
- Perfect mixing ratio thanks to mixing nozzles supplied
- Simple and precise application with LiqRep dispensing gun

Item no. B50.950

1x LiqRep Metal (50 ml)
1x LiqRep Plastic (50 ml)
10x LiqRep Mixing Tubes
1x LiqRep Dispensing Gun

Item no. B50.960

Item no. B50.970

LiqRep Plastic – The fast-curing 2-part polyurethane adhesive

This fast-curing 2-part adhesive based on polyurethane is suitable for repairing and bonding plastic parts to the engine and bodywork, as well as for bonding or filling holes, cracks and joints.

The polyurethane adhesive bonds superbly to plastics (e.g. PMMA, ABS, PC, PVC, PA6, HPL, PS, GRP), rubber/elastomers, and a variety of other materials such as metal, wood, stone, concrete and glass.

LiqRep Plastic is suitable for repairing bumpers, spoilers, radiator grilles, headlight housings, interior trims, brackets and clips, air filter housings and much more.

The patented adhesive formulation is solvent free and does not require any isocyanate certificate for users.

LiqRep Metal – The 2-part liquid metal compound based on epoxy resin

This two-part liquid metal compound based on epoxy resin boasts excellent adhesion to metals such as iron, steel, cast iron and aluminium, as well as ceramics, concrete, wood and many types of plastic. LiqRep Metal is therefore ideal for filling, levelling or bonding cracks, holes, and incorrect drilling and for filling cavities.

Typical application examples include bonding body parts such as door sills, doors, wheel cut-outs, side panels, wheel arches, vents, and intake manifolds, and repairing threads and moulded and cast parts.

LiqRep Metal is free from silicone, solvents, and volatile organic compounds (VOCs).

Optimum mixing ratio and precise application with the LiqRep Mixing Tubes and LiqRep Dispensing Gun

To ensure a perfect mixing ratio of the two parts and guarantee optimum results, Elring supplies the cartridges with two mixing nozzles. The grid-like structure inside the mixing nozzles ensures that the two parts are perfectly mixed and the chemical reaction is optimised. This avoids imprecise mixing by the user.

The LiqRep Dispensing Gun replaces the integrated dispensing system in comparable trigger cartridges. Precision dispensing and exact results can be achieved thanks to the easy application and convenient handling of the LiqRep Dispensing Gun.

LiqRep adhesives – technical properties

	LiqRep Metal	LiqRep Plastic
Item no. | Package size	B53.810 | 50 ml	B53.900 | 50 ml
Colour	Metal colours	Black
Chemical base	Epoxy resin	Polyurethane
Parts **A:/B:**	**A**: Resin **B**: Hardener	**A**: Polyol **B**: Isocyanat
Density	**A** + **B**: 1,3 g/ml	**A**: 1,2 g/ml | **B**: 1,2 g/ml
Viscosity	**A** + **B**: 20 000 mPAS – 25 000 mPAS	**A**: 90 000 mPAS **B**: 120 000 mPAS
Tensile shear strength	14 – 18 N/mm^2	7 – 10 N/mm^2
Shore hardness D	85 Sh – 90 Sh	65 Sh – 70 Sh
Temperature resistance	-30 °C – +120 °C	-40 °C – +120 °C
Gap filling capacity	≤ 10 mm	≤ 30 mm
Working time/pot life	+22 °C	+22 °C
Verarbeitungszeit/Topfzeit	4 – 6 minutes	60 – 90 seconds
Fixture time	10 – 12 minutes	15 – 20 minutes
Fully cured after	2 – 3 hours	24 hours
Resistance		
Can be ground/sanded over	X	X
Can be remachined	X	X
Can be painted over	X	X

The information specified here has been compiled with the utmost care based on many years of experience. However, no guarantee can be given, as success can only be guaranteed if the specific circumstances of each individual case are taken into account.

More information, applications, and technical and safety data sheets at:
www.elring.com/products/adhesives

Any other questions?
You can find more information on our website.

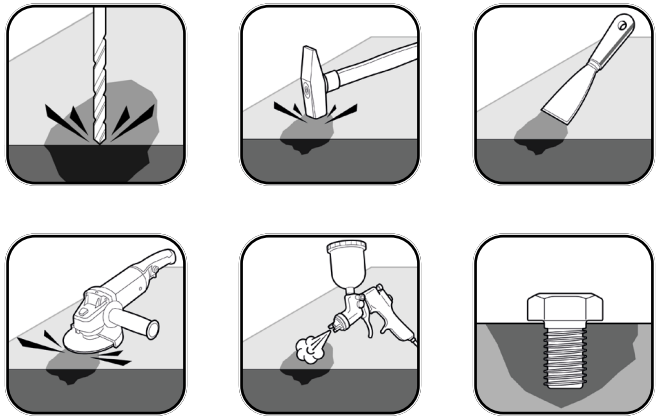
Click here to view the application video →

LiqRep Metal

LiqRep Plastic

Tips for optimum use

- Observe the safety data sheets and safety instructions
- Wear protective equipment
- Surfaces must be clean and free from contamination
- Clean with isopropyl alcohol if necessary
- If possible, sand the surfaces beforehand
- Drill additional holes for mechanical anchoring
- Briefly flame PP/PE surfaces for application with LiqRep Plastic beforehand (max. 0.5 – 1 second)



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