

TECHNICAL DATA SHEET



EPOXY RESIN KIT Two-component



Repair adhesive WIKO EPOXY STICKS

WIKO EPOXY STICKS are kneadable, easy-to-process 2-component epoxy resin adhesives that offer a wide range of applications in repair, maintenance, construction and assembly. Thus, WIKO EPOXY STICKS are not only suitable for repairing and sealing, but also for fastening, bonding and gluing. WIKO EPOXY STICKS have outstanding resistance to oil, gasoline, water and many chemicals. WIKO EPOXY STICKS are ideal for post-processing such as sanding, drilling and/or recoating.

Epoxy adhesives are particularly well suited for underwater applications, saturated salt solutions, leaded petrol, alcohol and oil products acc. ASTM 3 and propylene glycol products. It is not recommended to expose epoxy adhesives to concentrated acids and organic solvents for extended periods of time.

- Kneadable and freely deformable
- Universal suitability for a wide variety of materials
- Curing even when used under water

Technical properties uncured product

Chemical basis:	Epoxidharz
Colour (mixed):	ESTA: aluminium ESTS: metal ESTU: green ESTH: light brown ESTB: blue
Knead time [min]:	2:00 – 2:30
Processing time [min]:	ca. 5
Processing temperature [°C]:	>15

Sizes / article numbers

Epoxy Stick Aluminium 56 g	ESTA.56
Epoxy Stick Steel 56 g	ESTS.56
Epoxy Stick Universal 56 g	ESTU.56
Epoxy Stick Wood 56 g	ESTH.56
Epoxy Stick Blue 56 g	ESTB.56
Epoxy Stick Aluminium 114 g	ESTA.114
Epoxy Stick Steel 114 g	ESTS.114
Epoxy Stick Universal 114 g	ESTU.114
Epoxy Stick Wood 114 g	ESTH.114

Technical properties hardened product

Temperature range [°C]:	
Epoxy Stick Aluminium	+120 kurzzeitig bis +180
Epoxy Stick Steel	+120 kurzzeitig bis +200
Epoxy Stick Universal	+120 kurzzeitig bis +150
Epoxy Stick Wood	+120 kurzzeitig bis +150
Epoxy Stick Blue	+120 kurzzeitig bis +150
Shore-Hardness D¹⁾:	
Epoxy Stick Aluminium	60 – 70
Epoxy Stick Steel	75 – 85
Epoxy Stick Universal	70 – 80
Epoxy Stick Wood	60 – 70
Epoxy Stick Blue	70 – 80
Final strength [min]:	
Epoxy Stick Aluminium	22 – 25
Epoxy Stick Steel	23 – 28
Epoxy Stick Universal	35 – 45
Epoxy Stick Wood	130 – 150
Epoxy Stick Blue	60 – 70

1) Proved to GLUETEC AA-031

Accessories / article number

WIKO industrial quick cleaner	AISR.D400
400 ml spray can	

Storage & Durability

Store in the unopened original container in a cool, dry and dark place at +10 ° C to +25 ° C, for a maximum of 12 months. Higher storage temperatures can rapidly reduce the shelf life of the product, so optimal functionality can no longer be guaranteed.

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Information about application

Applications range from sealing and repairing leaks, cracks, holes and holes on tanks, containers or drums to repairs of broken edges and porous areas. It is also possible to model replacement pieces and attachments from hooks to walls with WIKO EPOXY STICKS.

All surfaces must be dry and clean. Roughening the surface can improve the adhesive surface.

The surface should be removed by sandblasting or other mechanical techniques of paint, rust and rough protection. For aluminum repair work, it should be noted that the oxidation of aluminum surfaces reduces the adhesion of an epoxy adhesive to a surface. This oxidation layer must be removed by mechanical or chemical methods. Create a profile on the surface by roughening. For metal, a grinding wheel can be used. Please do not let the edges of epoxy material leak out. Epoxy materials must have clear and sharp-edged transitions. Metal exposed to salt water or other saline solutions should be sandblasted under high pressure and then left untreated to allow the salt to be "sweated" from the metal to the surface. Repeated sandblasting may be necessary to sweat out any soluble salts. A test to detect possible chloride contaminants should be performed before any use of epoxy products occurs. In cold working environments, it is recommended to heat the parts to be bonded to +38 °C to +43 °C. This will eventually dry residual moisture, contaminants or solutes, allowing the epoxy material to develop its maximum adhesion to the substrate.

Cut an even piece of the mass in the desired amount and knead it for about 2:30 minutes. Then apply the product to the surface to be repaired with a spatula. To fill all cracks and cavities and to ensure optimum surface contact on wet surfaces, a powerful job is required. Then give the splice enough time to cure.

Note:

Please note the information and notes in our respective safety data sheets. The data contained herein are for informational purposes only and are believed to be accurate to the best of our knowledge. We assume no liability for the results. For optimum functionality of the adhesive system, please only use the cartridge and mixer systems tested and released by GLUETEC. The product is only suitable for professional and experienced users. It is the user's own responsibility to take precautions to protect property and people from the hazards that may be encountered in handling and using these products. Accordingly, GLUETEC specifically disclaims any warranty, expressed or implied, including any warranty or suitability commitments for a particular purpose. In particular, GLUETEC disclaims all liability for consequential or indirect damages of any kind.