

2K EPOXY POWER GLUE

EPOXY RESIN ADHESIVE TWO-COMPONENT

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NOTE: THIS TECHNICAL DATA SHEET REPLACES ALL PREVIOUS VERSIONS. THE INSTRUCTIONS IN THIS DOCUMENTATION ARE BASED ON OUR TESTS AND EXPERIENCE AND HAVE BEEN PREPARED TO THE BEST OF OUR KNOWLEDGE AND CONSCIENCE. DUE TO THE VARIETY OF DIFFERENT MATERIALS AND SUBSTRATES AND THE MANY DIFFERENT POSSIBLE APPLICATIONS BEYOND OUR CONTROL, WE ASSUME NO RESPONSIBILITY FOR THE RESULTS ACHIEVED. SINCE THE CONSTRUCTION AND NATURE OF THE SUBSTRATE AND THE PROCESSING CONDITIONS ARE BEYOND OUR CONTROL, WE DO NOT ACCEPT ANY LIABILITY FOR THIS PUBLICATION. IN ANY CASE, IT IS RECOMMENDED TO CARRY OUT APPROPRIATE TESTS BEFORE USE.



Technical properties

Chemical basis	Epoxy resin
Viscosity*	approx. 15000 - 20000 mPas
Viscosity* Component A	20000 - 40000 mPas
Viscosity* Component B	15000 - 35000 mPas
Density (ISO 53217)	1,1 - 1,3 g/ml
Mixing ratio	1:1
Processing time	approx. 5 min
Curing time	2 - 3 h
Tensile shear strength**	20 N/mm ²
Temperature range***	-40 °C bis +120 °C

* These values may vary depending on environmental factors such as temperature, humidity or type of substrate.

** Tested according GLUETEC AA-310

*** The data refer to the fully cured product.

Product description

2K EPOXY POWER GLUE is a 2-component adhesive for demanding bonding applications based on an epoxy resin.

Properties and benefits

- Fast curing
- Good initial adhesion
- Durability of 15 months
- Sandable and recoatable
- High tensile and impact strength
- Good peel and shock resistance
- Almost invisible bonding
- Gap-bridging
- Good chemical resistance
- Gap after joining: 0.1 - 0.2 mm

Application samples

- Quick and clean application
- Well suited for visually demanding bonding applications
- Bonding possible with a wide range of material combinations
- Small to large-area bonding
- Wide range of applications from private to professional use
- High temperature resistance up to 120°C

Packaging

Colour: Transparent
Package: 25 ml Twin syringe

Shelf life

The shelf life is, at the optimum storage temperature of +10 °C to +25 °C in the closed original container, a maximum of 15 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below +10 °C. Protect the product from direct sunlight or heat and humidity.

Safety instructions

Follow the usual regulations for industrial hygiene. Further information can be found on the packaging and in the safety data sheet.

The product is considered to be problematic waste and must therefore be disposed of separately at a specialised waste management company (mobile hazardous waste collection point, materials depot with hazardous waste collection point, etc.).

Application

2K EPOXY POWER GLUE is suitable for use on metal, plastic, ceramics, glass, porcelain, stone, wood, concrete, rubber and much more.

Before application, the adhesive surfaces should be clean, dry and free of dust and grease.

Open the twin syringe and squeeze until both components come out evenly. Clean the opening and apply a suitable mixing nozzle to the syringe. Before use, carry out a short dosing test on a suitable test piece. Apply a sufficient amount of adhesive to the parts to be joined and join the parts to be bonded. Remove residues of the adhesive components and the mixed adhesive with the appropriate cleaner before the adhesive sets. After use, remove the mixing nozzle, dispose of it and make sure that the adhesive components do not come together at the outlet. Close the twin syringe.

NOTE

The information in this technical data sheet is based on tests, monitoring and experience. They are of a general nature and do not establish any liability. It is up to the user to determine with his own tests whether the agent is suitable for the intended application.