

2C Epoxy Resin Adhesives

TECHNICAL DATA SHEET

Epoxy Transparent 5 Minutes

WIKO Epoxy Resin Adhesives are fast curing two-component systems that enable a wide application range in the areas of manufacture, assembly and repair. The product bonds different materials reliably, the connections are highly resistant to impact, peeling and shock, and, moreover, have a high tensile strength. WIKO Epoxy Transparent is suited for adhesions that have high optical demands.



Trading units	Item no.:
25 ml syringe	EPOT5.S25
50 ml cartridge	EPOT5.K50
Set 50 g bottles	EPOT5.Set50
Set 100 g bottles	EPOT5.Set100
400 ml cartridge	EPOT5.K400

Application Areas

- For adhesions that have high optical demands
- Develops excellent adhesive strength on a lot of materials like aluminium, copper, steel, brass, concrete, FRP/SMC, wood, glass, plastics, ceramics, coated metal, graphite, polyurethane, galvanised metals, hard plastics, etc.

Characteristics

- 2-component epoxy adhesive that is easy to apply
- Temperature resistance: Up to approx. +120 °C
- Long-lasting resistance to water, gasoline and oil
- Resistance to ageing, impact and media
- High tensile strength

Physical Characteristics at 25°C (Liquid state)

Colour (mixed):	Clear/colourless
Viscosity at 25°C (mixed):	5.000 – 10.000 mPas
Mixing ratio:	1:1
Processing time:	Approx. 5 minutes
Curing time:	Approx. 2 - 3 hours
Specific weight:	1.1 g/cm ²
Temperature resistance:	- 40 °C up to +120°C

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Physical Characteristics (Solid state)

Shore Hardness:	78 - 80	(ASTM D 2240)
Tensile shear strength:	20 N/mm ²	(CSN EN 1465)
Shear strength:	1 - 2 N/mm	(ISO 4578)

Surface Preparation

The designated surfaces have to be free of dust, oil, grease and other impurities. Generally, we recommend the use of a suited WIKO Cleaner (depending on the material: WIKO Assembly Cleaner (AMRE.D400) or WIKO Plastic Cleaner (AKSR.D400)) to ensure a perfect application.

Application

Perform a short dosing test on a suited test piece. After mixing the components, the adhesive should be applied immediately onto the designated surfaces. Corner joints should be supported. The maximum adhesive strength develops at a adhesive layer thickness of 0,1 mm.

Storage and Shelf Life

The storage life of the components A and B in unopened packaging is 12 months starting with the date of shipping by Gluetec. The product requires storage in a dry area at a temperature of +10°C and +23°C to maintain the maximum storage life.

Attention, protect the components against frost at all times!

The information contained in this data sheet, especially the suggestions for processing and application of products, is based on our experience and newest expertise. Due to the facts that materials can be very diverse and that we have no influence on the working conditions, we recommend to perform sufficient tests to validate the compatibility of the products. Our company shall neither be held liable for this information nor for a verbal or written consultation. Additionally, please consider the information of our safety data sheets.