

UHU® EPOXY ULTRA STRONG

UNIVERSAL STRONG DUAL-COMPONENT EPOXY ADHESIVE



TECHNICAL PROPERTIES

Temperature resistance: Between -40 and +100°C (dependent on material and construction; higher temperatures may also be possible). Temperatures should not exceed 200°C either during hardening or when the assembly is subsequently put under pressure, as this would affect firmness and the stability of the substance. UHU Epoxy is resistant to ageing and weathering. The adhesive is not affected by even extremely low temperatures. At temperatures below -60°C, resistance to combined tension and shearing is reduced

Chemicals resistance: many solvents, oil, dilute acids, alkalis and many solvents. Moisture, dilute acids and alkalis have very little effect on bond strength, even in the event of lengthy exposure. No universally valid data can be given as there are always many factors, such as the possibility of corrosion, duration of exposure and temperature, that affect the assembly.

TECHNICAL SPECIFICATIONS

Appearance: binder: opaque; hardener: honey coloured

Chemical base: binder: epoxy resin; hardener: aliphatic amines

Bonding technique: Wet adhesion

Viscosity: approx. binder: 40.000; hardener: 30.000 mPa.s.

Solid matter: approx. 100 %

Density: approx. binder: approx. 1.2; hardener approx. 0.96 g/cm³

PRODUCT DESCRIPTION

Universal strong dual-component epoxy adhesive.

FIELD OF APPLICATION

Ideal for repairs to metal, ceramics, porcelain, crystal, glass, ivory, pearls, precious stones and various synthetics (polyester, bakelite, formica, rigid polystyrene and acrylic glass (Perspex®)). Not suitable for Polyethylene (PE), polypropylene (PP), PTFE and silicone rubber.

PROPERTIES

- Super-strong (up to 170 kg/cm²)
- Resistant to temperatures between -30°C and +80°C
- Filling
- Water resistant
- Chemical resistant
- Paintable

PREPARATION

Working conditions: Only apply at temperatures between +5°C and +35°C.

Product cures by mixing the resin and hardener.

Personal safety: Preferably wear gloves.

Surface requirements: The materials to be bonded must be dry, clean, free of dust and grease.

Preliminary surface treatment: Degrease parts to be bonded with acetone. Roughen smooth surfaces (sandpaper).

APPLICATION

Mixture ratio: (by volume) 1:1 (other mixing ratios possible)

Open time: 90 mins. (Period of usability at 20°C room temperature)

Note: This information is the result of carefully executed tests. This Technical Data Sheet has been prepared to the best of our knowledge to provide you with advice when gluing. We cannot be held responsible for the results or any damage suffered, as the variety of factors involved (type and combination of materials and working method) are beyond our control. Users have to carry out their own checks and trials. Liability can only be accepted for the consistently high quality of our product.