

UHU® PLUS SCHNELLFEST

CRYSTAL CLEAR FAST DUAL-COMPONENT EPOXY ADHESIVE



PRODUCT DESCRIPTION

Crystal clear fast dual-component epoxy adhesive. Water resistant, quick, very strong.

FIELD OF APPLICATION

Suitable for fast, strong and invisible repair of many materials, such as pottery, porcelain, glass, leather, wood, stone, metal, ceramics. Both with themselves and in combination. Not suitable for Polyethylene (PE), polypropylene (PP), PTFE and silicone rubber.

PROPERTIES

- Fast
- Crystal clear
- Super-strong
- Universal, suitable for many materials
- Resistant to temperatures between -40°C and $+100^{\circ}\text{C}$
- Filling
- Water resistant
- Chemical resistant
- Paintable

PREPARATION

Working conditions: Only apply at temperatures between $+5^{\circ}\text{C}$ and $+35^{\circ}\text{C}$.

Product cures by mixing the resin and hardener.

Personal safety: Preferably wear gloves.

Surface requirements: The surface must be dry, clean and free of dust and grease.

Preliminary surface treatment: Degrease parts to be bonded with acetone.

Roughen smooth surfaces (sandpaper).

Tools: Clean tools immediately after use with warm water and soap.

APPLICATION

Mixture ratio: 1:1 (by volume)

Coverage: 1 ml = approx 1 cm^2 at a film thickness of 1 mm

Directions for use:

Mix binder and hardener in equal part. Apply the mixture, which at room temperature ($+20^{\circ}\text{C}$) remains toolable for about 5 minutes, as a thin layer on one of the two materials. Assemble the material and keep it in place for 20 minutes. Be careful not to move the parts before the adhesive has cured. After use, close the tins. Resin and hardener must not come into contact with each other unless for usage.

Potlife: 5 minutes

Stains/residue: Remove wet stains immediately with warm water and soap. Cured adhesive residue can only be removed mechanically.

Advice: Some types of synthetics can not be joined such as polyethylene and polypropylene. This can be tested by holding a glowing copper wire against the synthetics. Does it smell of wax? Then you can not bond it.

Use a piece of adhesive tape in order to keep the parts in place while the adhesive is curing.

Points of attention: Close well after use. For optimum performance it is important to create a larger amount of adhesive and mix it very well. Curing time depends on the temperature. Adhesive does not cure below $+5^{\circ}\text{C}$.

CURE TIMES*

Drying/Curing time: approx. 5 minutes

Final bonding strength after: approx. 12 hours

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Moisture resistance: Good

Water resistance: Good

Temperature resistance: -40°C - $+100^{\circ}\text{C}$

UV resistance: Very good

Chemicals resistance: Very good

Paintability: Good

Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Appearance: Opaque liquid

Chemical base: Binder: Epoxy Resin; Hardener: Polymer

Bonding technique: 1-sided application

Colour: Crystal Clear

Consistency: Medium viscosity

Viscosity: approx. 22.500 mPa.s., Liquid

Solid matter: approx. 100 %

Density: approx. B: 1.18; H: 1.14 g/cm^3

Tensile strength: approx. 1000 N/cm^2

Shear strength: approx. 1900 N/cm^2

STORAGE CONDITIONS

Store in tightly closed packaging in a dry, cool and frost-free place.

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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.