

UHU[®]

CREATIV METAL, GLASS & CERAMICS

2-COMPONENT SPECIAL ADHESIVE



PRODUCT DESCRIPTION

UHU Creativ Metal, Glass & Ceramics a solvent-free two-component adhesive based on epoxy resin that allows particularly fast assemblies using a wide range of materials. The adhesive fills gaps and is ideal for objects with uneven surfaces. The pack contains a spatula and a mixing container. Ideal for making jewellery, mirrors, vases, flowerpots, items in Fimo[®] and much more.

FIELD OF APPLICATION

Glues glass, ceramic, stone, potter's clay, Fimo[®], mother-of-pearl also in combination with many other materials. Ideal for objects with uneven surfaces like pearls, gem stones, shells, corals, sequins.

Not suitable for polyethylene, polypropylene, PTFE, polystyrene, soft PVC and various other materials.

PROPERTIES

- Super-strong and fast special formula
- Fills gaps
- Colourless
- With spatula and mixing container

PREPARATION

Working Conditions: Open time: approx. 5 minutes. Curing time: 20 - 30 minutes.

Surface Requirements: The areas to be glued must be dry and free of any dust or grease.

Tools: For mixing, use the bowl provided in the packaging. A clean glass plate, grease-free cardboard or similar may also be used for mixing, using a spatula. The adhesive should be very thoroughly mixed. The adhesive should be applied to the parts to be stuck together as soon as possible after mixing to ensure the best possible bond. The adhesive is applied using the spatula or a short-haired brush.

APPLICATION

Directions for use:

Measuring and mixing: The mixing ratio of the two components is 1:1 by volume or by weight, i.e. equal quantities of binder and hardener. After the parts to be stuck together have been prepared, the adhesive is dosed in the given ratio. Small variations in the proportions of binder and hardener make virtually no difference. Thorough mixing is essential for good bonding and even joins. For mixing, use the bowl provided in the packaging. A clean glass plate, grease-free cardboard or similar may also be used for mixing, using a spatula. The adhesive should be very thoroughly mixed. The adhesive should be applied to the parts to be stuck together as soon as possible after mixing to ensure the best possible bond. The adhesive is applied using the spatula or a short-haired brush.

Application time (period of usability): The open time depends on the quantity used and the ambient temperature. For a quantity of 3 to 5g, the mix can be worked for up to 5 minutes; for a quantity of 20g, the working life is about 3 minutes.

Hardening: At room temperature UHU Creativ Metal, Glass & Ceramics hardens so that the joint is firm within 20 to 30 Minutes at the most; after 60 minutes approximately half the final bond strength is reached, and after 12 hours the final bond strength is reached. The application of heat speeds up the hardening process.

Stains/residue: Traces of adhesive should be removed and apparatus should be cleaned before the adhesive has hardened – acetone and nitro thinners are suitable solvents for this. The same applies to soiled clothing. Once it has hardened, the adhesive can only be removed by using the solvent methylene chloride (dichloromethane). (Warning! Precautions must be taken!)

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.



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TECHNICAL SPECIFICATIONS

Bonding technique:	1-Sided application
Chemical base:	Epoxy resin
Chemicals resistance:	Water, oil, grease, solvents, diluted acids and alkalis
Colour:	Transparent
Colour after curing/drying:	Transparent
Consistency:	Liquid
Density approx.:	1,16 g/cm ³
Filling capacity:	Very good
Final bond strength (Alu):	17 N/mm ²
Final bond strength after:	1 hour
Handling time:	20 minutes
Minimum application temperature:	5 °C
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Moisture resistance:	Good
Mixture ratio:	1:1
Paintability:	Yes
Potlife:	5 minutes
Solvent free:	Yes
UV resistance:	Good
Viscosity:	Medium viscosity
Viscosity approx.:	20000 mPa·s
Water resistance:	Good
Water soluble:	No

PACK SIZES

2 x 15ml/17g on blister

STORAGE CONDITIONS

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

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