EPOXY ULTRA STRONG

UNIVERSAL STRONG DUAL-COMPONENT EPOXY ADHESIVE



PRODUCT DESCRIPTION

Universal strong dual-component epoxy adhesive for repairing metal, pottery, porcelain, glass, pearls, precious stones and various synthetics. Temperature resistant, water resistant, chemical resistant and paintable.

FIELD OF APPLICATION

Suitable for repairs to metal, ceramics, porcelain, crystal, glass, 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 -40 °C and +100 °C
· Filling
· Water resistant
· Chemical resistant
· Paintable

PREPARATION

Working Conditions: Only apply at temperatures between +10 °C and +35 °C. Product cures by mixing the resin and the 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 methylated spirit. Roughen smooth surfaces (sandpaper).
Tools: Mix the components by means of the supplied mixing bowl and spatula.

APPLICATION

Coverage: 1 ml = approx 10 cm² at a film thickness of 1 mm
Directions for use:
Press out an equal amount of both components onto the enclosed mixing tray. Mix these two equal parts well with a spatula until a mixture is obtained with a homogeneous colour. Apply the mixture, which at room temperature (+20 °C) remains toolable for about 1.5 hours, as a thin layer on one of the two materials. Join the materials and keep them in place for 7 hours. Be careful not to move the parts before the adhesive has cured. Resin and hardener must not come into contact with each other unless for usage.
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. 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 °C.

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:	Opaque, honey coloured
Consistency:	Liquid
Density approx.:	1,1 g/cm³
Filling capacity:	Very good
Final bond strength (Alu):	19 N/mm²
Final bond strength after:	24 hours
Handling time:	6 hours
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Moisture resistance:	Good
Mixture ratio:	1:1
Paintability:	Yes
Potlife:	90 minutes
Solvent free:	Yes
UV resistance:	Very good
Viscosity:	Medium viscosity
Viscosity approx.:	35000 mPa·s
Water resistance:	Good
Water soluble:	No

PACK SIZES

33 g, 163 g

STORAGE CONDITIONS

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

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