

# EPOXY UNIVERSAL

## UNIVERSAL, STRONG, TWO-PART EPOXY ADHESIVE



### PRODUCT DESCRIPTION

Universal, strong, two-part epoxy adhesive.

### FIELD OF APPLICATION

Ideal for repairs to metals, pottery, porcelain, crystal, glass, ivory, pearls, precious stones and numerous synthetics (such as polyester, bakelite, Formica, rigid polystyrene and acrylic glass (Perspex®)). Not suitable for Polyethylene (PE), Polypropylene (PP), P.T.F.E. and silicone rubber.

### PROPERTIES

- Strong
- Temperature resistant from -20°C to +60°C
- Filling
- Water resistant
- Chemicals resistant
- Paintable

### PREPARATION

**Working conditions:** Use only at temperatures between 5°C and +35°C.

Product cures after mixing resin and hardener.

**Safety:** Preferably wear gloves during use.

**Condition of materials:** Materials to be bonded should be dry, clean and free of grease.

**Preliminary treatment:** Degrease parts to be bonded with Bison Thinner for Bison Kit or acetone. Roughen up smooth materials (sand paper).

**Tools required:** Mix and apply with plastic spatula. Clean tools with warm water and soap directly after use.

### APPLICATION

Mixture ratio: 1:1

**Coverage:** 24 ml = approx. 240cm<sup>2</sup> (coat of 1mm)

### Directions for use:

Remove spatula from side of double syringe and cap from handle. Break safety seal of double syringe. Dispense equal quantities of both parts into enclosed mixing tray. Stir well using enclosed spatula until mixture has a uniform colour. At room temperature (+20°C), mixture remains workable for approx. 1,5 hours. Apply a thin layer to one surface. Join immediately and hold in place for 7 hours. Do not move bonded parts until after complete cure. After use, clean nozzles with a cloth and place special double cap from handle on double syringe. Do not mix resin and hardener unless for bonding.

**Potlife:** 1,5 hours.

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

### CURE TIMES

**Handling time:** approx. 7 hours.

**Dry/Cure time:** approx. 24 hours. Curing takes longer at lower temperatures, and shorter at higher temperatures

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

### TECHNICAL PROPERTIES

**Moisture resistance:** Good

**Temperature resistance:** -20°C to +60°C

**Chemicals resistance:** Good

**Paintability:** Good

**Filling capacity:** Good

### TECHNICAL SPECIFICATIONS

**Base:** Resin: epoxy resin. Hardener: modified amide

**Colour:** Light yellow

**Viscosity:** Liquid

**Solid contents:** approx. 100 %

**Density:** approx. 1,15 g/cm<sup>3</sup>

### SHELF LIFE

At least 24 months after date of manufacture. Limited shelf life after opening. Store in a dry, cool and frost-free place.