

E300

WATERPROOF EPOXY

AKFIX E300 is a two component, solvent free, fast cure, strong multipurpose epoxy based adhesive. It can be applied and cured underwater. It does not shrink and is resistant to water and most common solvents.

FEATURES & BENEFITS

- **High lap shear strength and durability,**
 - **Apply and cure under water**
 - **Sets in 20 minutes,**
 - **Cures at room temperature,**
 - **Cures without shrinkage and crack,**
 - Good gap filling capability,
 - Water and chemical resistant,
 - Weather and temperature resistant,
 - Easy to mix and dispense,
 - Paintable and sandable,
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APPLICATION AREAS

- **Bonding for wood, glass, crystal, ceramic, porcelain, metal, fiberglass,**
 - **Repairing furniture and household materials,**
 - **Not recommended for polyethylene, polypropylene, nylon, PTFE or flexible plastics.**
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Applicable
Under Water

INSTRUCTIONS

- **Personal Safety:** Preferably wear gloves during use.
- **Surface Preparation:** Surfaces must be dry, clean and free from oil, wax and paint. For better bonding slightly roughen surfaces with emery cloth and abrasive paper.
- **Application:** Remove the end tips of the syringe. Turn syringe end up and pull plunger back slightly allowing air bubbles to rise top. Depress the double piston to dispense equal quantities of both parts into mixing tray. Use mixing stir and mix thoroughly resin and hardener for one minute until homogenous mix is obtained. Apply the mixed adhesive as quickly as possible to one of the surfaces to be bonded by carefully and assemble parts immediately together. Press the two surfaces together and hold in place for min. 20 minutes. Allow at least 4 hours before handling and for best result do not move the assembled parts until the end of cure duration. The adhesive attains its full strength after 24 hours at 20 °C. Working time of the mixed adhesive depends on temperatures and the quantities mixed. Higher temperatures and larger quantities will shorten this working time. Best results are achieved between 20°C and 25°C. After use clean the special cap and close tightly. Always store the adhesive in a vertical position.

- **Cleaning:** Clean excess uncured adhesive immediately by wiping a clean cloth. Acetone or mineral spirit may be used to assist in removal. Solvents must be always handled with care because they are hazardous and flammable. Follow manufacturer's instructions and test on small area before applying. Cured adhesive can only be removed mechanically; can be cut away with caution using a sharp blade.

STORAGE AND SHELF LIFE;

21 months from date of production if stored properly in original, unopened and undamaged sealed packaging in cool, dry conditions at temperatures between +8°C and +30°C. High and low temperature storage can adversely affect product properties. Keep from freezing.

SAFETY

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

PROPERTIES

Basis	: Epoxy based
Color	: Resin: Transparent Hardener: Pale yellow
Density (gr/cm ³)	: Resin: 1,16 Hardener: 1,05
Viscosity (cps)(25°C)	: Resin : 12,000-13,000 Hardener: 9,000-11,000
VOC Content (%)	: 0 (by weight) (Resin and Hardener)
Application temperature (°C)	: 5°C to 25 °C
Mix ratio	: 1:1 (by volume)
Mixed density (gr/cm ³)	: 1,10-1,12
Final colour	: Pale yellow
Set time (min.)	: 15-20 (at 23°C)
Handling time (hr)	: 4 (at 23°C)
Full cure time (hr.)	: 24 (at 23°C)
Service temperature (°C)	: -23 to +60
Gap fill	: Good
Hardness Shore D	: 80±2 (after 7 days)
Paintable	: Yes (but confirm by test)
Sandable	: Yes

PRODUCT

Product Type	Volume / Weight	Package
E300 (Dual Syringe)	25 ml (27,8±0,2 gr)	12

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.