

UZIN LIQUID GLASS A/B

Liquid glass for construction and decorative applications

Applications:

UZIN LIQUID GLASS is a 2-component epoxy system (resin and hardener) that supports strong adhesions with excellent mechanical strength and cohesion to several materials. It stands high resistance to humidity, to organic solvents, and to temperature. It DOES NOT TURN TO YELLOW, i.e., it withstands exposure to UV radiation. It exhibits very low shrinkage, so thus is suitable for dipping and molding similar and dissimilar materials intended for the construction of special decorative applications. It leaves a final smooth, glossy surface, like glass and can be colored in various shades. Non-toxic when fully polymerized.

Suitable for:

- ▶ the protection and decoration of surfaces made of wood, metal, stone, ceramics, porcelain, cardboard, etc.
- ▶ filling voids and holes of different materials except PE (polyethylene) and TEFLON.
- ▶ protection/filling of electronic structures

Product properties / advantages:

2-component thixotropic transparent epoxy system for filling and molding and casting surfaces made of wood, metal, stone, ceramics, porcelain, cardboard, etc. Develops excellent adhesion and high mechanical strength. After complete polymerization the product is safe for food contact.

Composition: epoxy resin and hardener.

- ▶ Smooth texture
- ▶ Thixotropic material
- ▶ Fast curing
- ▶ Resistant to water and high temperature
- ▶ DOES NOT TURN TO YELLOW

Technical Data:

Packaging:	Tin containers
Sizing:	A+B=0,5kg A+B= 1kg A+B= 5kg A+B= 10kg A+B= 15kg
Storage:	Min. 12 months
Mixing Ratio:	A:B=100:38
Color:	A=transparent B=transparent
Specific Gravity:	1,12kg/l
Application Temperature:	min 5°C (ASTM 2354)
Open time:	90-240 minutes*
Drying time:	18-24 hours*
Final Strengths:	After approx. 7 days*

* At 20 °C and R.H.65%.

UZIN Liquid Glass A/B

Substrate preparation:

The bonding surfaces must be dry, clean, and free from dust and other substances that could impair adhesion. Caution! Do not apply the product in case of existing moisture.

Refer to safety data sheets of the product and study carefully the compatibility of each component with UZIN Hellas various products.

Application:

1. The mixing ratio is 100 parts by weight w/w resin (component A) to 38 parts by weight w/w hardener (component B). If you follow the exact mixing ratio, then the hardening time will take place in 18-24 hours under normal conditions.
2. Carefully mix the 2-components A and B, until they are completely homogenized. Mix as much quantity as you can process in the open time.
3. Spread the mixture evenly on the desired surfaces with the help of a spatula and fix it. For a smoother surface use a PE sheet and smooth the final texture of the epoxy system, then after curing (polymerization) has been completed then remove the PE sheet.
4. If you want to mold a surface, make sure to drop the mixture with light movements, in order to avoid trapped air bubbles.
5. High temperature, humidity and dust should be avoided when curing UZIN Liquid glass A/B.
6. Clean tools immediately after use with warm water and soap. If stains persist, use suitable organic solvents. Hardened product can only be removed by mechanical scraping.
- 7.

Consumption:

Consumption estimation
Depending on application

Important Notes:

- ▶ Shelf life, at least 12 months in original packaging, when stored in a cool, dry place. Seal opened containers tightly and use remaining contents as soon as possible.
- ▶ Place the containers that have been stored in very cold conditions and have turned the contents of the product into a thick paste, in a warm place and shake them repeatedly.
- ▶ Optimum workability conditions are 15-25°C, substrate temperature above 5°C, relative humidity below 65%.
- ▶ Allow the two components to acclimate in the work area for at least 24 hours before use.

Protection of the workplace and the environment:

Solvent free. It is not flammable. Component A: Contains epoxy resin / Xi: "irritant". Component B: Contains amines/ Corrosive.

Both components: Risk of irritation and/or chemical burns to eyes, respiratory organs, and skin. May cause hypersensitivity in case of skin contact. In case of skin contact, wash immediately with plenty of soap and water. In case of eyes contact, immediately rinse your eyes with water and consult a doctor. Wear suitable protective gloves and safety glasses. "Environmentally Harmful" in liquid form, therefore, prevent discharge into sewers, surface water or soil. Odor is neutral, ecologically, and physiologically harmless when fully polymerized.

Information for people with allergies is available at the Poison Center +30 210 7793777 (Greece).

Disposal:

Collect product residues wherever possible and reuse. Do not allow to enter the sewer system, bodies of water or the soil. Plastic containers emptied or scraped clean and no longer dripping from any residues can be recycled. Containers with liquid residues as well as collected liquid product residues are special waste. Therefore, collect the material, mix its two components, allow them to harden and then dispose of them as construction waste.