

## BELI-ZELL Instructions

BELI-ZELL is a single component polyurethane adhesive, contains no solvents, is virtually odourless and reacts with the moisture content of material, air humidity or added water.

### Application areas

BELI-ZELL can be used with almost any material which is typically used for model making, e.g.

- Expanded material - polystyrene cellular plastics, extruded polypropylene, polyurethane foam, etc. - irrespective of specific trade names
- Wood - balsa, pine, poplar, obeche, plywood
- Glass fibre / carbon fibre / hybrid fibre laminate
- Aluminium, brass, etc.
- Paper, cardboard, cork, etc.
- Mineral material

### General instructions for use

Surfaces to be joined must be clean and free of dust and grease. The surfaces do not need to be very close together, as gaps can be easily filled by BELI-ZELL. Apply BELI-ZELL sparingly on one surface – preferably on the less porous one. Fix the assembled parts with crepe tape, a clamp or something similar for the appropriate amount of time.

Warmth (max. 70°C) and moisture expedite the reaction, i.e. setting time is shortened. Materials without water content (e.g. aluminium) can also be glued by moistening the BELI-ZELL glue with a little water.

The glue is water-resistant, has a high resistance to fuel and a good resistance to weak acids, alkalines and most solvents.

Always keep the applicator clean and replace the cap on top of the applicator properly in order to prevent BELI-ZELL setting in the tube. A clogged applicator can easily be cleaned with a small wire, needle or something similar.

Ideal processing conditions: 23°C, 50-60% relative humidity.

BELI-ZELL 10	Setting time	8-15min
	Initial cure	30-60min
BELI-ZELL 20	Full cure	24h
	Setting time	15-25min
	Initial cure	2-4h
	Full cure	48h

### Special instructions for use

Wood	Use as wood glue; the glue is water-resistant and has a high fuel durability
Foams	Expanding foam can be glued without any further preparation of the surface, even on broken and cut pieces. All other foam and moulded parts should be degreased and scoured beforehand.
Laminates, Metal	Glass fibre, carbon fibre laminates and metals should be degreased and scoured carefully. If bonding material without water content, apply BELI-ZELL on all surfaces and spray a little water on the glue after applying it.
Fabrics	Layers of fabrics can be used to make sandwich materials or to reinforce constructions, e.g. a foam-fabric-wood sandwich or wings planked with fabric + wood

## Cleaning

Excess glue can be removed with acetone but when the glue is completely set it can only be removed by mechanical means.

## Storage

Store BELI-ZELL in a cool, dry place away from frost. Storage between +15°C and +35°C is recommended.

Storage life in sealed tube:

BELI-ZELL 10:	18 months
BELI-ZELL 20:	18 months

## First aid and safety measures

*Inhalation:* Ensure supply of fresh air and warmth; seek medical advice.

*Skin contact:* Rinse immediately with plenty of water. Remove affected clothing. Seek medical advice.

*Eye contact:* Rinse immediately with plenty of water, seek medical advice.

*Ingestion:* Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Keep out of the reach of children. Wash hands after use. Do not eat, drink or smoke while using BELI-ZELL.

## Important

Contains diphenylmethane-diisocyanate, isomers and homologues – Harmful / Xn  
Follow the manufacturer's instructions. Inhalation harmful. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell seek medical advice).

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.



**BELI-ZELL 10min**



**BELI-ZELL 20min**