

Basis **upcycled polyurethane board**

Colour **beige**

Applications

- Cubing models / Master models
- Data control models
- Foundry patterns
- Vacuum forming tools (short runs)
- Supporting shells for heat treatment
- PU-foaming tools (short runs)
- Moulding tools for composites

Properties

- contains more than 85% upcycled polyurethane
- high heat resistance
- fine structure
- very easy to work

Processing data

Product	ebaboard eco 610		
Colour	beige		
Density at 20°C	g / cm ³	0,60 ± 0,02	

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	17 ± 1
Flexural elongation at break	EN ISO 178	%	3,3 ± 0,2
Flexural modulus	EN ISO 178	MPa	570 ± 17
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	2,1 ± 0,3
compressive strength 0,75 % proof stress	EN ISO 604	MPa	15 ± 1
Shore hardness	DIN ISO 7619-1	Shore D	61 ± 2
Heat resistance (HDT)	DIN EN ISO 75 B	°C	104 ± 4
Glass transition temperature T _g	DSC	°C	approx. 135
coefficient of linear expansion 20 - 120 °C	internatl test / Dilatometer	10 ⁻⁶ K ⁻¹	approx. 22
Flammability classification	DIN 4102	class	B2

Sales units (packages)

ebaboard eco 610

1520 x 600 x 50 mm
1520 x 600 x 75 mm
1520 x 600 x 100 mm

Processing instructions

Advice for machining of board material

- Making even of milling support
- Roughing of geometry
- Remove clamps, if possible allow to relax over night
- Clamping
- Finishing

For bonding we recommend our adhesive for **ebazell** boards.

In General

ebaboard material is available in specified sizes. The surface is machined on all sides. **ebaboard** is a synthetic, post-cured board material on polyurethane base. It has an even structure and plane parallel machined surfaces.

Advantages:

Dense structure
Good workability

Dimension tolerances of 3 mm in length and width and 0,5 mm in thickness are possible.

Safety measure

ebaboard material is a cured filled polyaddition product, no hazardous dusts when grinding.
According to regulations for hazardous goods **ebaboard** products don't have to be marked during transport and storage.
Please follow safety advices !

Waste Disposal

Small quantities can be disposed as domestic waste. For big quantities, contact your local authorities, please.
In case of further questions please do not hesitate to contact our department for product safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.