

Basis	Synthetic board material
Colour	light green

Application

- Master models
- Design Models
- Arts and Crafts
- Inspection models
- Architecture Models

Properties

- very fine structure
- very well workable (contains no abrasive fillers)

Working data

Product	ebazell 160	
Colour	light green	
Density at 20°C	g / cm ³	0,163 ± 0,012

Physical data

Properties	Inspect. requirem.	Unit	Value
tensile strength perpendicular	ASTM D 1623 Methode A	MPa	2,4
tensile strength parallel	ASTM D 1623 Methode A	MPa	2,6
Shear strength perpendicular	ISO 1922	MPa	1,25
Compressive strength parallel	ISO 844	MPa	2,6
Compressive strength perpendicular	ISO 844	MPa	2,0
working operating temperature	-	°C	-180 bis +120
Heat conductivity 10° C at beginning	-	mW/m°K	31
Heat conductivity 24° C at beginning	-	mW/m°K	-
Heat conductivity 10° C after 10 days	-	mW/m°K	35
Heat conductivity 10° C after 180 days	-	mW/m°K	39
Heat conductivity 24° C after 180 days	-	mW/m°K	-
Shore hardness	DIN 53505	Shore A	70
Coefficient of linear expansion	DIN 53752	10 ⁻⁶ K ⁻¹	ca. 57
Dimens. stability X=Lergth/48h at -25°C	ISO 2796	max %	X-Y 0,1 / Z 0,1
Dimens. stability Y=Lergth/48h at 100°C	ISO 2796	max %	X-Y 1,0 / Z 1,0
Dimens. stability Z=Lergth/48h at 70 90°C	ISO 2796	max %	X-Y 1,0 / Z 1,0
Closed-cell character	-	-	92
Water absorption	ISO 2896	%	3
Permeability of water rapor	ISO 1663	gr/m ² 24h	15
Flammability classification	DIN 4102	class	B 2
Flammability classification	ISO 3582	mm	<30

Sales units (packages)

ebazell 160

- 2000 x 1000 x 100 mm
- 2000 x 1000 x 150 mm
- 2000 x 1000 x 200 mm
- 2000 x 1000 x 300 mm
- 2000 x 1000 x 400 mm
- further dimensions on request

Processing instructions

The boards are bonded with our "Adhesive for **ebazell** boards". The glued parts can easily be fixed with clamps or by weight.

For sealing we recommend our primer G 1 for **ebazell**-boards. In order to obtain an optimum surface we recommend to apply the primer twice.

For machining corresponding milling parameters are available.

In General

ebazell is a synthetic board material on polyurethane base, which can be easily processed by hand and by machine. The product contains no halogenes, plasticisers, formaldehyde or solvents. No chlorofluorocarbon is used during manufacture, it is proven biologically friendly.

Advantages:

Very fine surface structure

Easy to machine, contains no abrasive fillers

No sandy surface

Dimensional tolerance of 1-2 % is possible.

"VP"-products are experimental products.

Small changes regarding technical data are still possible.

Storing

In dry and closed places storage of the material is unlimited.

Safety measure

ebazell material is a cured filled polyaddition product, no hazardous dusts when grinding.

Anyway the quantity of dusts coming from mechanical treatment of wood and metal 6 mg/m³ (MAC-value)- must not be exceeded.

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. 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.

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