

Basis **ebaboard S-1**

Colour red brown

### Applications

- Master models
- Foundry patterns
- Vacuum forming tools (short runs)
- PU-foaming tools (short runs)
- Supporting shells for heat treatment
- Design Models
- Inspection models

### Properties

- very fine structure
- high strength values
- very good edge strength
- high heat resistance
- good resistance against solvent
- very well workable (contains no abrasive fillers)

### Processing data

<b>Product</b>	<b>ebaboard S-1</b>		
Colour	red brown		
Density at 20°C	g / cm <sup>3</sup>	0,70 ± 0,02	

### Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	28 ± 3
Flexural modulus	EN ISO 178	MPa	1175 ± 100
Flexural strength at breakage	EN ISO 178	%	4,9 ± 0,4
Tensile strength	EN ISO 527	MPa	-
Elongation at break	ISO 37	%	-
Impact resistance (Charpy)	EN ISO 179	kJ/m <sup>2</sup>	4,7 ± 1,0
compressive strength 0,75 % proof stress	EN ISO 604	MPa	27 ± 2
Heat resistance (HDT)	DIN EN ISO 75 B	°C	87 ± 3
Shore hardness	DIN 53505	Shore D	65 ± 4
Coefficient of linear expansion	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	ca. 53

### Sales units (packages)

**ebaboard S-1**

- 1500 x 500 x 25 mm
- 1500 x 500 x 50 mm
- 1500 x 500 x 75 mm
- 1500 x 500 x 100 mm
- 1500 x 500 x 150 mm

## Processing instructions

Advices for machining of board material

- Making even of milling support
- Roughing of geometry
- Removing of clamps, if possible over night
- Clamping
- Finishing

For bonding and repairing we recommend our adhesive brown as well as our repair putty brown.

The repair putty can also be used as fast adhesive and can be mixed individually with the adhesive following the indications of a mixing table in order to set up the pot-life.

Milling parameter are available.

## 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 edge strength
- Low tension
- Good workability
- Low dust development when milling

Dimensional tolerance of 1-2 % is possible.

"VP"-products are experimental products.

Regarding technical data slight modifications are possible.

## Safety measure

**ebaboard** 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/m<sup>3</sup> (MAC-value)- must not be exceeded.

According to regulations for hazardous goods **ebaboard** products don't have to be marked during transport and storage.

According to regulations for hazardous products all **ebaboard** products are not to be marked for 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.

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