

Basis	2 - Component - Epoxy resin
Resin	BLH Epoxy 200
Hardener	BLH hardener K 30
Colour	yellow transparent
Further hardeners	LH hardener W 15 / BLH hardener W 400 / BLH hardener K 25

Applications

- Boatbuilding
- Hand laminating

Properties

- good curing at room temperature
- excellent soaking of aramid fibre cloth
- excellent soaking of glass fibre cloth
- excellent soaking of carbon fibre cloth
- low viscosity

Processing data

Product		Mixture BLH Epoxy 200 / K 30	Resin BLH Epoxy 200	Hardener BLH hardener K 30
Colour		yellow transparent	transparent	yellow transparent
Mixing ratio	p. b. w.		100	30
Viscosity at 25°C	mPas	450 ± 100	1200 ± 200	175 ± 50
Density at 20°C	g / cm ³	1,12 ± 0,02	1,15 ± 0,02	1,03 ± 0,02
Pot life 200 g / 20°C	min.	25 - 30	-	-
Curing time at RT	hrs.	12 - 16	-	-
Post curing	Time in h/ Temperature in °C	12 - 15 / 50 - 80	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	135 ± 8
Flexural modulus	EN ISO 178	MPa	3650 ± 350
Flexural strength at breakage	EN ISO 178	%	5,8 ± 0,2
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	35 ± 10
Compressive strength	EN ISO 604	MPa	110 ± 10
Heat resistance (Martens)	DIN 53458	°C	67 ± 2
Heat resistance (HDT)	DIN EN ISO 75 B	°C	81 ± 2
Glass transition temperature TG	methode DSC	°C	ca. 81
Shore hardness	DIN 53505	Shore D	86 ± 3

Sales units (packages)

Units BLH Epoxy 200 can 25 kg / barrel 50 kg / barrel 200 kg / container 1000 kg

Processing instructions

The temperature of material and processing should be between 18 and 25 °C.

The mixing of resin and hardener should be made thoroughly and preferably without air bubbles at room temperature.

In General

Slight discoloration of the hardener by oxygen possible. Discoloration of hardener K 30 by oxygen, which doesn't affect the products quality.

1) Demoulding of laminates made at room temperature (20°C) is possible. The parts show very good strength. To achieve maximum property values for example for flexural strength and heat resistance, we recommend thermal treatment at the recommended temperature.

Storing

At appropriate storage 18-25°C.

Occuring crystallization due to disadvantageous storage conditions can be made return by warming up the material at approx. 60° C.

Opened containers should be closed immediately after use and be protected against moisture. This material should be used up as soon as possible.

Shelf life is indicated on the labels

Safety measure

When processing this product the recommended protection measures of the government safety organization of the chemical industry should be followed. Safety advices should be followed.

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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