

Basis	very well workable gelcoat
Resin	OH 20
Hardener	CH-2
Colour	red brown
Further hardeners	CH-2 gel

Applications

- Design Models
- Cubing models
- Master models

Properties

- well spreadable
- very well workable
- fine structure
- jointless surface

Processing data

Product		Mixture OH 20 / CH-2	Resin OH 20	Hardener CH-2
Colour		red brown	red brown	yellow transparent
Mixing ratio	p. b. w.		100	15
Viscosity at 25°C	mPas	thixotrope	thixotrop	2200 ± 400
Density at 20°C	g / cm ³	0,92 ± 0,03	0,90 ± 0,03	1,08 ± 0,02
Pot life 200 g / 20°C	min.	30 - 35	-	-
Curing time at RT	hrs.	6 - 10	-	-
Post curing	Time in h/ Temperature in °C	-	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	35 ± 3
Flexural elongation at break	EN ISO 178	%	1,9 ± 0,2
Flexural modulus	EN ISO 178	MPa	2500 ± 200
Tensile strength	EN ISO 527	MPa	-
Tensile strength / test piece type 2	ISO 37	MPa	-
Elongation at break	ISO 37	%	-
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	3,1 ± 0,5
Compressive strength	EN ISO 604	MPa	41 ± 3
Heat resistance (Martens)	DIN 53458	°C	56 ± 3
Glass transition temperature TG	method DSC	°C	-
Shore hardness	DIN ISO 7619-1	Shore D	70 ± 2
Coefficient of linear expansion	DIN 53752	10 ⁻⁶ K ⁻¹	-

Sales units (packages)

Units	Resin	OH 20	4,000 kg / 12,500 kg
	Hardener	CH-2	1,000 kg

Processing instructions

After each use the containers have to be closed again.

Porous mould surfaces should be sealed before (**ebalta** sealant).

For an optimum mould release we recommend a suitable release agent (e.g. T 1-1) which can be easily applied with a brush. The mould should be treated 2 or 3 times with release agent and allowed to evaporate for approx. 20 min after every application.

Stir up well OH 20 before use, as its additives tend to float to the surface. The mixed system must be applied with a wide brush.

In General

ebalta OH 20 is an easy to apply epoxy gelcoat resin system used for the realisation of joint-free, easy workable master model surfaces with a fine structure.

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels.

Safety measure

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

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

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.

ebalta Kunststoff GmbH . Erlbacher Straße 100 . 91541 Rothenburg ob der Tauber / Germany
Tel.: +49 9861 7007-0 . Fax: +49 9861 7007-77 . info@ebalta.de . www.ebalta.de