

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

Applications

- Master models
- Design Models

Properties

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

Processing data

Product		Mixture OH 20 / CH-2 gel	Resin OH 20	Hardener CH-2 gel
Colour		red brown	red brown	yellow transparent
Mixing ratio	p. b. w.		100	15
Viscosity at 25°C	mPas	thixotrop	thixotrop	thixotrope
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 modulus	EN ISO 178	MPa	2500 ± 200
Flexural strength at breakage	EN ISO 178	%	1,9 ± 0,2
Tensile strength	EN ISO 527	MPa	-
Compressive strength	EN ISO 604	MPa	41 ± 3
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	3,1 ± 0,5
Heat resistance (Martens)	DIN 53458	°C	56 ± 3
Shore hardness	DIN 53505	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 gel	0,600 kg / 1,000 kg

Processing instructions

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

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.

Mixing ratio resin/hardener according to instructions!

Stirring rods etc. with residual resin can be easily cleaned with **ebalta** cleaning agent.

Stir up carefully before use, since the additives tend towards floating.

Apply the mixture with a flat brush.

In General

ebalta OH 20 is a well spreadable epoxy gelcoat , which is used for jointless master models with a well workable fine-structured surface.

With CH-2 gel hardener 5 mm layers can be applied, no sagging at vertical surfaces.

Storing

Storage at room temperature (18-25 °C) in closed original container 12 months.

Already opened containers should be closed immediately after use and should be used as soon as possible.

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 UK Limited . B2 Langham Park, Trent Lane . Castle Donington . Derbyshire DE74 2UT
t: +44 1332 814700 . f: +44 1332 814775 . e: info@**ebalta**.co.uk . w: www.**ebalta**.co.uk