

Basis	Modelling paste
Resin	P 22
Hardener	P 22
Colour	red brown

Applications

- In the automotive field
- Aircraft construction
- Industrial design

Properties

- good manual modelling
- dimensionally accurate
- very well workable
- long processing time

Processing data

Product		Mixture P 22 / P 22	Resin P 22	Hardener P 22
Colour		red brown	white	red brown
Mixing ratio	p. b. w.		100	100
Viscosity at 25°C	mPas	pasty	pasty	pasty
Density at 20°C	g / cm ³	0,50 ± 0,03	0,50 ± 0,03	0,50 ± 0,03
Pot life 200 g / 20°C	min.	40 - 50	-	-
Curing time at RT	hrs.	13 - 15	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	11 ± 0,8
Flexural modulus	EN ISO 178	MPa	1279 ± 150
Flexural strength at breakage	EN ISO 178	%	1,04 ± 0,05
Compressive strength	EN ISO 604	MPa	15,8 ± 0,5
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	1,25 ± 0,15
Heat resistance (Martens)	DIN 53458	°C	35 ± 2
Shore hardness	DIN 53505	Shore D	45 ± 2
Coefficient of linear expansion	DIN 53752	10 ⁻⁶ K ⁻¹	ca. 40

Sales units (packages)

Units	Resin	P 22	3,000 kg / 10,000 kg
	Hardener	P 22	3,000 kg / 10,000 kg

Processing instructions

Although the good miscibility, the mixing of the resin paste with the hardener should be made in a mechanical kneader, until a uniform consistency is resulted. Smaller quantities of 2-3 kg can be mixed by hand. This is very easy, when both components are kneaded together like a dough.

The mixture of both components does not stick to the hands and is therefore very good mouldable relating to design. Mixing container, stirrer and hands can be easily cleaned with water. For a good adhesion on subsoil, e.g. wood or Polyurethane boards, we recommend to apply first the coupling paste KP6/TGL or a general purpose resin. **ebalta** P 22 can be applied in one step in a thickness of 30 - 40 mm.

In General

ebalta P 22 is a very good mouldable two-component-epoxy model paste, which can be easily processed without damaging the mould and without considerable dust after curing at room temperature. Due to its dense structure, modelling properties and the smooth consistency it is very suitable for the production of master models.

The dense structure of the finish does not absorb moisture, which makes the master models dimensionally stable.

Depending on coating thickness, mechanical treatment after 24-36 hrs.

Our paste system **P 22 UT** can already be polished after 8-12 hrs.

Storing

At appropriate storage (room temperature) in closed original container 12 months. Occuring crystallization due to unfavourable storage conditions can be neutralized by warming up the material at approx. 60° C.

Already opened containers should be closed immediately after use and be protected against moisture. This material 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.

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