

Basis	Supple laminating paste
Resin	PS 02
Hardener	BRIL
Colour	grey
Further hardeners	BRI

## Applications

- Foundry patterns
- Core boxes
- Negatives
- Mould constructions

## Properties

- glassfibre filled

## Processing data

Product		Mixture PS 02 / BRIL	Resin PS 02	Hardener BRIL
Colour		grey	grey	blue
<b>Mixing ratio</b>	<b>p. b. w.</b>		<b>100</b>	<b>12</b>
Viscosity at 25°C	mPas	pasty	pasty	175 ± 25
Density at 20°C	g / cm <sup>3</sup>	1,05 ± 0,02	1,06 ± 0,02	0,95 ± 0,02
Pot life 200 g / 20°C	min.	50 - 60	-	-
Curing time at RT	hrs.	12 - 16	-	-

## Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	33 ± 3
Flexural strength at breakage	EN ISO 178	%	0,85 ± 0,1
Flexural modulus	EN ISO 178	MPa	4600 ± 450
Impact resistance (Charpy)	EN ISO 179	kJ/m <sup>2</sup>	4 ± 0,5
Compressive strength	EN ISO 604	MPa	60 ± 5
Heat resistance (Martens)	DIN 53458	°C	40 ± 2
Shore hardness	DIN 53505	Shore D	80 ± 2
Coefficient of linear expansion	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	-

## Sales units (packages)

Units	Resin	PS 02	20,000 kg / 25,000 kg refill box
	Hardener	BRIL	2,500 kg / 5,000 kg / 50,000 kg

## Processing instructions

The mixing of the smooth resin paste with the liquid hardener should be executed in a mechanical mixer.

But **ebalta** PS 02 can also be mixed with a star stirrer in a hand drill gun or small quantities by hand.

A good mixing can be made out when a uniform colour shade is built from the blue hardener and the grey resin paste.

Mixing container, stirrer and hands can be easily cleaned with water.

## In General

**ebalta** PS 02 is a very smooth, glass fiber filled two-component-epoxy resin paste, which cures at room temperature with the hardener BRI in a thickness of 10-15 mm and with the hardener BRIL in the thickness of 15-25 mm, without considerable shrinkage.

Regarding this laminate paste system the laminate paste with glass fiber and other reinforcing material and the coloured hardener are especially good mixable with each other. The mixture can be easily applied and shows a very good strength after curing, so that negatives, casting models and core boxes can be produced. The mixed laminate paste has a low specific weight and is therefore very suitable for the lightweight construction of large-area reinforcements.

## 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

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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