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| Basis | Supple laminating paste |
| Resin | PS 03-1 resin |
| Hardener | PS 03-1 L hardener |
| Colour | blue grey |

Applications

- Core boxes
- Negatives
- Foundry patterns
- Mould constructions

Properties

- glassfibre filled
- heat resistant
- soft

Processing data

| Product | | Mixture PS 03-1 / PS 03-1 L | Resin PS 03-1 resin | Hardener PS 03-1 L hardener |
|-----------------------|---------------------|---|------------------------|--------------------------------|
| Colour | | blue grey | grey | blue |
| Mixing ratio | p. b. w. | | 100 | 11 |
| Viscosity at 25°C | mPas | pastös | pastös | 450 ± 50 |
| Density at 20°C | g / cm ³ | 0,96 ± 0,03 | 0,98 ± 0,02 | 0,98 ± 0,02 |
| Pot life 200 g / 20°C | min. | 40 - 50 | - | - |
| Curing time at RT | hrs. | 16 - 24 (bei Schichtdicke 20-25 mm) | - | - |

Physical data

| Properties | Inspect. requirem. | Unit | Value |
|------------------------------|--------------------|-------------------|------------|
| Flexural strength | EN ISO 178 | MPa | 35 ± 5 |
| Flexural elongation at break | EN ISO 178 | % | 1,3 ± 0,3 |
| Flexural modulus | EN ISO 178 | MPa | 4800 ± 400 |
| Impact resistance (Charpy) | EN ISO 179 | kJ/m ² | 4,5 ± 0,5 |
| Compressive strength | EN ISO 604 | MPa | 45 ± 4 |
| Heat resistance (HDT) | DIN EN ISO 75 B | °C | 68 ± 2 |
| Shore hardness | DIN ISO 7619-1 | Shore D | 75 ± 2 |

Sales units (packages)

| | | | |
|-------|----------|--------------------|---------|
| Units | resin | PS 03-1 resin | 25 kg |
| | hardener | PS 03-1 L hardener | 2,75 kg |

Processing instructions

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

But **ebalta** PS 03-1 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 ebaclean.

In General

ebalta PS 03-1 is a very smooth, glass fiber filled two-component-epoxy resin paste, which cures at room temperature in the thickness of 10 - 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.