PS 08 / TL-1

Technical Datasheet

Epoxy paste

Applications

- vacuum forming tools

Properties

- filled with glass fibres
- filled with aluminium grit
- permeable to air

Processing data

Product		**Mixture**	**Resin**	**Hardener**
		PS 08 / TL-1	PS 08	TL-1
Colour		aluminum grey	aluminum grey	yellowish-transparent
Mixing ratio	**p.b.w.**		100	3
Viscosity at 25 °C	mPas	pasty	pasty	35 ± 10
Density at 20 °C	g/cm³	1,75 ±0,05	1,80 ± 0,05	0,94 ± 0,02
Pot Life	minutes	45 - 60		
Demoulding time	hours	16 - 24		

Physical data

Properties	**Inspect. Requirements**	**Unit**	**Value**
Flexural strength	DIN EN ISO 178*	MPa	10 ± 2
Flexural elongation at break	DIN EN ISO 178*	%	0,5 ± 0,06
Flexural modulus	DIN EN ISO 178*	MPa	2700 ± 350
Compressive strength	DIN EN ISO 604*	MPa	16 ± 2
Impact resistance (Charpy)	DIN EN ISO 179-1*	kJ/m²	2 ± 0,5
Heat deflection temperature HDT	DIN EN ISO 75 B*	°C	80 ± 3
Shore hardness	DIN ISO 48-4*	Shore D	84 ± 3

* based on

Sales units (packages)

- PS 08 grey resin reinforcing paste 25 kg drum
- TL-1 yellow transparent hardener 0.975 kg bottle
- TL-1 yellow transparent hardener 5 kg can

additional products

- cleaning agent ebaclean, colourless 5 l can

Processing instructions

Material- and processing temperature: between 18 - 25 °C.
Close containers after use.

PS 08 should be mixed with the liquid hardener TL-1 in a mechanical mixer.
Alternatively, it can also be mixed with a star or spiral stirrer attached to a electric drill.

Residues of resin on mixing containers and stirrers can be easily cleaned using ebaclean.

General

PS 08 is a heat-resistant, two-component epoxy resin compound containing aluminium and glass fibres, which cures at room temperature which can be used as backing tamping mass
After curing PS 08 is air-permeable system

Consumption is approximately 18 kg/m² per 10 mm layer thickness.

The following layer thicknesses can be applied:
• as required
• no more than 50–70 mm per layer. The layer must then be compacted by tamping before the next layer can be applied

All specified characteristic values were determined after thermal conditioning at 80 °C for 8 hours.
The pot life was determined in accordance with internal test procedures using a 200 g sample at room temperature (approx. 23 °C).
The demolding times refer to demolding at room temperature.

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.

Please refer to the product labels for the shelf life of the material.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material.

Please refer to the respective safety data sheets

Waste Disposal

The cured materials can be disposed of as household or commercial waste in consultation with the respective competent authority.

Uncured products must be properly disposed of in consultation with the competent authority.

For further questions, our product safety department is at your disposal.

Compliance & Legal

The information and recommendations provided are based on careful evaluation and practical experience. They reflect the state of our knowledge at the time of provision. Updates may be made without notice.
The information is intended as general guidance and does not constitute a warranty of specific characteristics or properties of the product. Due to the wide range of potential applications and processing methods, not all individual use cases can be covered.
The product must be used in accordance with the applicable safety and usage instructions. No liability will be accepted for improper use or application outside the intended purpose.
Unless otherwise agreed, it is the responsibility of the user to independently assess the suitability of the product for the intended application and processing method.
The information provided does not release the user from the obligation to seek individual advice in cases of uncertainty regarding specific applications.
Statutory warranty rights remain unaffected.