

FASTCAST POLYURETHANE 7-8MIN FRP

Resin: PART A

Hardener: PART B

Colour: Ivory

Applications

- Foundry patterns
- Core boxes
- Negatives
- Pattern plates
- Control castings
- Coping models
- Vacuum forming tools
- Mould probes for trimming of prototypes

Properties

- unfilled
- very low viscosity
- high filler content possible
- good curing
- very high strength
- very heat resistant

Processing data

Product		Mixture Part A+B	Resin Part A	Hardener Part B
Colour		ivory	whitish	light yellow
Mixing ratio	p. b. w.		100	100
	volume		100	89
Viscosity at 25°C	mPas	55 ± 5	85 ± 15	25 ± 5
Density at 20°C	g / cm ³	1,10 ± 0,02	1,02 ± 0,02	1,14 ± 0,02
Pot life 200 g / 20°C	min.	7 - 8	-	-
Curing time at RT	hrs.	1 - 1,5	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	57 ± 5
Flexural elongation at break	EN ISO 178	%	7,1 ± 0,4
Flexural modulus	EN ISO 178	MPa	1500 ± 100
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	17 ± 4
Compressive strength	EN ISO 604	MPa	45 ± 5
Heat resistance (HDT)	DIN EN ISO 75 B	°C	89 ± 3
Shore hardness	DIN ISO 7619-1	Shore D	72 ± 2
Coefficient of thermal expansion	internal test / Dilatometer	10 ⁻⁶ K ⁻¹	-
Linear shrinkage	internal	%	-

Sales units (packages)

Units	Resin	Part A	1kg / 5kg
	Hardener	Part B	1kg / 5kg

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Processing instructions

The fillers should be stirred into the single components A and B , so that these have nearly the same viscosity. After that both components can be very well mixed.

In case of small quantities and sufficient experience it is also possible to mix the unfilled components first and then to stir in the filler, without making the potlife too short for casting.

In General

This Fast-Cast Polyurethane consists of high-quality, nearly odourless two-component-Polyurethane casting resins without mixed in filler.

The fast curing of the materials leads to a short demoulding time. The very thin binding agent effects a high filler content. The addition of different fillers determines the properties and strength.

Material should be carefully stirred up/ shaken before use.

The product can be subject to colour variations due to raw materials, but these colour variations have no influence on the quality and the properties of the product.

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.

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.

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 **to us** 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.