

# NEUKADUR Fleximasse HS 55-15

2-C PUR Casting System

Elastomer Shore A 55

# altropol

## Main features

- high elongation
- high restoring force
- processible by hand and machine
- very good flowability
- fast curing
- good chemical resistance

## Applications

- patterns for e. g. concrete casts
- production of technical parts
- all kinds of moulds and patterns
- control casts
- negative / positive casts
- moulds for vacuum casting

## Properties in the non-crosslinked state (approx. values)

		NEUKADUR Fleximasse HS 55-15 Comp. A	NEUKADUR Fleximasse HS 55 Comp. B
Colour		brown	light amber
Mixing ratio	p.b.w.	100	40
Density (20 °C)	g/cm <sup>3</sup>	1.4	1.04
Viscosity (25 °C – Brookfield RVT)	mPa·s	25,000	50

## Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		2,200
Pot life (200 g)	minutes		15
Demouldable	hours		8
Hardness (24h)	Shore A	DIN 53505	55

## Mechanical values of the cured product (approx. values)

Tensile strength	MPa	DIN 53504	6
Tensile elongation	%	DIN 53504	650
Resistance to tear propagation	N/mm	ASTM D 624 B	46
Dimensional stability under heat	Martens °C	DIN 53458	80
Linear dimensional change	%	500 x 50 x 25 mm	0.15

## How to process the material

NEUKADUR Fleximasse HS 55-15 Comp. A and NEUKADUR Fleximasse HS 55 Comp. B **are sensitive to cold.**

When kept or transported at temperatures below + 10 °C for a longer period of time, the components may crystallize out. This crystallization is reversible by heating the materials at + 30 °C for 1 to 2 hours on for instance a radiator or a heating plate.

If this crystallization is not completely neutralized, this circumstance will result in an **insufficient through-curing of the reaction system.**

After that, stir up both components until they are homogeneous. Then mix them according to the indicated mixing ratio and proceed to casting immediately.

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### Form of delivery

NEUKADUR Fleximasse HS 55-15 Comp. A	1 kg	5 kg	25 kg	225 kg
NEUKADUR Fleximasse HS 55 Comp. B	0.4 kg	2 kg	4 kg	10 kg

### Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

### Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

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Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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