

# NEUKADUR MultiCast 23

2 C-PUR Fast-Cast System

Universal binder - filled, low-viscous

# altropol

## Main features

- low-viscous
- easy to process
- low shrinkage
- very good through-curing

## Applications

- production of negatives/positives
- universally for all kinds of moulds and patterns

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

		NEUKADUR MultiCast 23	NEUKADUR Hardener ISO 23	Mixture
Colour		white	bright yellow	white
Mixing ratio	p.b.w.	100	20	80
Density (20 °C)	g/cm <sup>3</sup>	1,69	1,20	1,50
Viscosity (RT)	mPa·s	3,500	40	800

## Properties of the mixture (approx. values)

Hardness	Shore D	DIN 53505		80
Pot life (RT)	minutes			5
Demouldable at 25°C				
4 - 5 mm	minutes			35
30 - 40 mm	minutes			25

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

Tensile strength	MPa	DIN 53455		22
Tensile elongation	%	DIN 53455		5
Flexural strength	MPa	DIN 53452		35
Bending elongation	%	DIN 53452		1,5
Modulus in flexure	MPa	DIN 53457		2.600
Dimensional stability under heat	°C	According to HDT		95
Impact strength	kJ/m <sup>2</sup>	EN ISO 179		5
Compressive strength	MPa	DIN 53454		70
Linear dimensional change	%	500 x 50 x 25 mm		0,15

\*RT = room temperature

## How to process the material

Before use, mix NEUKADUR MultiCast 23 thoroughly until has got a homogeneous appearance. Mix both components intensively with each other at room temperature (> 18 °C) according to the indicated mixing ratio. Before casting, make sure that parts and moulds are free from humidity and non-evaporated release agent.

For release agents, please visit our homepage under <http://www.altropol.de/en/produkte/weitere-produkte/trennmittel>

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**Form of delivery**

NEUKADUR MultiCast 23	1 kg	5 kg	10 kg
NEUKADUR Hardener ISO 23	0,2 kg	1 kg	2 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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