

NEUKADUR MultiCast 30
 2-C PUR Fast-Cast System
 Universal binder for high-volume castings

altropol

Main features

- low-viscous
- easy to machine when cured
- good curing properties with a relatively long pot life
- low shrinkage
- high compressive strength
- high edge solidity

Applications

- production of negatives/positives
- universally for all kinds of moulds and patterns
- high-volume castings
- vacuum deep-drawing moulds

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

		NEUKADUR MultiCast 30	NEUKADUR Hardener ISO 1	Unfilled mixture	Mixture filled with NEUKADUR filler B
Colour		beige	brown	beige	beige
Mixing ratio	p.b.w	100	100		350
Density 20 °C	g/cm ³	1.0	1.2	1.1	1.6
Viscosity RT	mPa·s	900	100	430	6,000

Properties of the mixture (approx. values)

			Unfilled mixture	Filled mixture
Pot life	minutes	room temperature	35	30
Demoulding time at 25°C				
4 – 5 mm	hours		16	24
30 – 40 mm	hours		5	8
Hardness	Shore D	DIN 53505	80	85

Mechanical values of the cured product (approx. values)

Tensile strength	MPa	DIN 53455	39	10
Tensile elongation	%	DIN 53455	2	6
Flexural strength	MPa	DIN 53452	65	33
Bending elongation	%	DIN 53452	5	1.2
Modulus in flexure	MPa	DIN 53457	1,700	2,900
Dimensional stability under heat	°C	According to HDT	55	-
Impact strength	KJ/m ²	DIN 51230	5	3
Linear shrinkage	%	500 x 50 x 25 mm	-	0.05
Compressive strength	MPa	DIN 53454	-	90

How to process the material

Before using NEUKADUR MultiCast 30, mix the same thoroughly until it has got a homogeneous appearance.

Mix both components thoroughly 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>

For layers with a thickness of > 10 mm, we recommend the use of fillers, e. g. NEUKADUR filler B.

We also recommend sharing out the quantity of fillers between both components.

After some months, the Zeolith Paste may deposit in such a measure that it cannot be homogenized so easily by means of a stirrer (by hand). In this case, we recommend the use of an electrical blade agitator. After approx. 15 minutes stirring time, the deposited Zeolith Paste can be homogenized easily.

Form of delivery

NEUKADUR MultiCast 30	1 kg	5 kg	10 kg	30 kg	200 kg
NEUKADUR Hardener ISO 1	1 kg	5 kg	10 kg	30 kg	200 kg
NEUKADUR Filler B	5 kg	10kg	25 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).

MultiCast 30 has a shelf life of 6 months.

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.

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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