

NEUKADUR MultiCast 1
 2 C-PUR-Fast-Cast System
 Very low viscosity, good impact strength

altropol

Main features

- very low-viscous
- easy to process
- low shrinkage
- good through-curing with a relatively long pot life

Applications

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

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

		MultiCast 1	Hardener ISO 2	Unfilled mixture	Mixture filled with filler B
Colour		beige	yellowish		
Mixing ratio	p.b.w.	100	100	-	350
Density 20 °C	g/cm ³	0.95	1.10	1.05	1.6
Viscosity mPas	room temperature	35	75	55	2500
Pot life/min	room temperature			3 – 4	5 - 6

Mechanical and other specifications (approx. values)

			Unfilled mixture	Filled mixture
Hardness	Shore D	DIN 53505	75	82
Colour			beige	beige
Tensile strength	MPa	DIN 53455	33	-
Tensile elongation	%	DIN 53455	6	-
Flexural strength	MPa	DIN 53452	33	35
Bending elongation	%	DIN 53452	-	3
Modulus in flexure	MPa	DIN 53457	650	2650
Impact strength	KJ/m ²	DIN 51230	14	5
Compressive strength	MPa	DIN 53454	-	80
Linear shrinkage	% approx.	500 x 50 x 25 mm	-	0.15
Demouldable at 25 °C				
4 – 5 mm	Minutes		75	45
30 – 40 mm	Minutes		-	30

How to process the material

Before using MultiCast 1, 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 the parts and moulds are free from humidity and non-evaporated release agent.

For layers with a thickness of > 5 mm, we recommend the use of fillers, e. g. filler B. We also recommend sharing out the quantity of filler between both components.

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Form of delivery

NEUKADUR MultiCast 1/ISO 2	1 kg, 5 kg, 10 kg, 30 kg
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Storage

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

Measure of precaution

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological, and other data relating to safety, to inform themselves on the safe handling and storage of products.
