

AltroGreen PU 03
 2 K-PUR Fast-Cast System
 Based on renewable raw materials

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Main features

- low-viscous
- easy to process
- low shrinkage
- good curing properties with relatively long pot life
- approx. 50%* based on renewable raw materials

Applications

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

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

		AltroGreen PU 03 Comp. A	AltroGreen PU 03 Comp. B	Mixture unfilled	Mixture filled with NEUKADUR filler B
Colour		beige	light yellowish	beige	light beige
Mixing ratio	p.b.w.	100	100	-	300
Density (20 °C)	g/cm ³	0.95	1.15	1.08	
Viscosity (25 °C)	mPa·s	220	50	120	1,750

Properties of the mixture (approx. values)

			Mixture unfilled	Mixture filled
Pot life (RT, 100 g)	minutes		2.5	3.5
Demouldable at 25 °C				
4 – 5 mm	minutes		15	
30 – 40 mm	minutes		10	
Hardness	Shore D	DIN 53505	70	75

Mechanical values of cured product (approx. values)

Tensile strength	MPa	DIN 53455	26	
Tensile elongation	%	DIN 53455	5	
Flexural strength	MPa	DIN 53452	49	42
Flexural strain	%	DIN 53452	8	3
Modulus in flexure	MPa	DIN 53457	1,150	2,400
Impact strength	KJ/m ²	EN ISO 179	20	7
Linear dimensional change	%	500 x 50 x 25mm		0.15

* = related to Comp. A

How to process the material

Before use, mix AltroGreen PU 03 Comp. A and Comp. B thoroughly until the compound has got a homogeneous appearance.

Mix both components with each other at room temperature (approx. >18 °C) according to the indicated mixing ratio.

Prior to casting, make sure that parts and moulds are free from humidity and non-evaporated release agents.

For layer thicknesses of >5mm, we recommend using fillers (e. g. NEUKADUR filler B).

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

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Form of delivery

AltroGreen PU 03 Comp. A	0,5 kg	1 kg	5 kg	10 kg	30 kg	200 kg
AltroGreen PU 03 Comp. B	0,5 kg	1 kg	5 kg	10 kg	30 kg	200 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.

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.

• 2022-09-07.1 / 12 / LW-W •

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