

# AltroGreen PU 018 ultramatt

2-C PUR Fast Cast System

Universal binder

# altropol

## Main features

- 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)

		AltroGreen PU 018 ultramatt Comp. A	AltroGreen PU 018 ultramatt Comp. B	Unfilled mixture	Mixture filled with NEUKADUR filler B
Colour		beige	yellowish	beige	white
Mixing ratio	p.b.w.	100	100		350
Density (20 °C)	g/cm <sup>3</sup>	0.95	1.10	1.05	1.6
Viscosity (RT)	mPa·s	85	75	80	3,250

## Properties of the mixture (approx. values)

			Unfilled mixture	Filled mixture
Pot life (RT, 100 g)	minutes		2	4
Demoulding time at 25°C				
4 - 5 mm	minutes		20	20
30 - 40 mm	minutes			15
Hardness	Shore D	DIN 53505	75	80

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

Tensile strength	MPa	DIN 53455	30	-
Tensile elongation	%	DIN 53455	5	-
Flexural strength	MPa	DIN 53452	*	*
Bending elongation	%	DIN 53452	*	*
Modulus in flexure	MPa	DIN 53457	*	*
Dimensional stability under heat	°C	according to HDT	105	*
Impact strength	kJ/m <sup>2</sup>	DIN 51230	16	5
Compressive strength	MPa	DIN 53454	-	*
Linear dimensional change	%	500 x 50 x 25 mm	-	0.15

## How to process the material

Before using AltroGreen PU 18 ultramatt Comp. A, 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 layers with a thickness of >5 mm, we recommend the use of fillers, e. g. NEUKADUR filler B.

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

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

**Form of delivery**

AltroGreen PU 18 ultramatt Comp. A	on request		
AltroGreen PU 18 ultramatt Comp. B	on request		
NEUKADUR filler B	5 kg	10 kg	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).

**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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