

Main features

- epoxy resin system
- mineral-filled
- thixotropic
- grindable, hard surface with solid edges
- good intercoat adhesion

Applications

- negatives
- foundry moulds
- paint and duplicating patterns
- gauges
- master patterns

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

		NEUKADUR O-Paste white ZH	NEUKADUR Hardener O-Paste white ZH
Colour		white	amber
Mixing ratio	p.b.w.	100	17
Density (20 °C)	g/cm ³	1.5	0.95
Viscosity (20 °C)	mPa·s	thixotropic	600

Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		brushable
Pot life (1000 g)	minutes		25
Pot life (100 g)	minutes		15
Gel time (20 °C)	minutes		50
Curing time (20 °C, 100 g)	hours		15
Density	g/cm ³	DIN 53479	1.5
Hardness (24 h)	Shore D	DIN 53505	82

Mechanical values of the cured product (approx. values)

Dimensional stability under heat	Martens °C	DIN 53458	60
Tensile strength	MPa	DIN 53455	28
Elongation at break	%	DIN 53455	0.45
Modulus in tension	MPa	DIN 53457	6,500
Compressive strength	MPa	DIN 53454	115
Flexural strength	MPa	DIN 53452	55
Ball indentation hardness 30"	N/mm ²	DIN 53456	160
Thermal conductivity	W/K·M	DIN 52612	0.6
Impact strength	KJ/m ²	EN ISO 179	4
Coefficient of linear thermal expansion	10 ⁻⁶ K ⁻¹	VDE	43

How to process the material

Stir up resin component thoroughly. This is particularly important when the material was kept and/or transported at low temperatures. Material and ambient temperature should be approx. 20 °C. After having mixed resin and hardener intensively, apply the compound by means of a short-haired brush.

You can apply another layer as soon as the surface layer has started to gel but is still slightly tacky. This state is temperature-dependent, and at room temperature, you obtain it after approx. 50 minutes.

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

NEUKADUR O-Paste white ZH

Gel coat

altropol

Form of delivery

NEUKADUR O-Paste white ZH	0.5 kg*	1 kg*	5 kg	10 kg
NEUKADUR Hardener O-Paste white ZH	0.085 kg*	0.17 kg*	1.7 kg	5.1 kg

*=minimum order quantity: 10 kits

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.

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