

Main features

- epoxy resin system
- hard
- good edge solidity
- easy to grind and work
- good resistance to lyes

Applications

- ceramics industry
- general mold and tool making
- gauges
- master patterns

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

		NEUKADUR O-Paste white K	NEUKADUR Hardener T 3	NEUKADUR Hardener VG N
Colour		white	amber	amber
Mixing ratio	p.b.w.	100	14	25
Density (20 °C)	g/cm ³	1.6	0.95	0.95
Viscosity (20 °C)	mPa·s	brushable	200	800

Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		brushable	brushable
Density	g/cm ³	DIN 53479	1.4	1.4
Hardness	Shore D	DIN 53505	78	78
Pot life (1000 g)	minutes		35	20
Gel time (1mm, 20 °C)	minutes		70	40
Demoulding time (1mm, 20 °C)	hours		26	12

Mechanical values after 7 days of storage at RT* (approx. values)

Dimensional stability under heat	Martens °C	DIN 53458	55	55
Tensile strength	MPa	DIN 53455	42	42
Elongation at break	%	DIN 53455	0.45	0.45
Modulus in tension	MPa	DIN 53457	5,800	5,800
Flexural strength	MPa	DIN 53452	80	80
Compressive strength	MPa	DIN 53454	120	120
Ball indentation hardness 30"	N/mm ²	DIN 53456	250	250
Impact strength	kJ/m ²	EN ISO 179	7	7
Thermal conductivity	W/K · m	DIN 52612	0.6	0.6
Coefficient of linear thermal expansion	10 ⁻⁶ K ⁻¹	VDE	43	43

*RT = room temperature

How to process the material

Before mixing, make sure that resin and hardener are homogenized thoroughly. After having mixed resin and hardener intensively, apply the compound by means of a short-haired brush.

Apply another layer as soon as the surface has started to gel but is still slightly tacky. This state is temperature-dependent, and at room temperature, it is obtained after approx. 50 to 70 minutes - depending on the hardener used.

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

Form of delivery

NEUKADUR O-Paste white K	0.33 kg*	7 kg
NEUKADUR Hardener T 3	0.05 kg	1 kg
NEUKADUR Hardener VG N	86 g*	1 kg

*= minimum order quantity: 24 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.

• 2020-06-18.2 / 12 / LW-W •