

Main features

- low viscosity resin
- transparent
- relative good UV stability with hardener VG 1 and hardener 16

Applications

- adhesive system in combination with hardener VG 1 and hardener 16
- artistic / decorative applications in combination with hardener 297 (thin layer) and hardener 298 (thick layer up to max. 80 mm)

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

		NEUKADUR EP 14	NEUKADUR hardener VG 1	NEUKADUR hardener 16	NEUKADUR hardener 297	NEUKADUR hardener 298
Colour		transparent	transparent	transparent	bluish	bluish
Mixing ratio	p.b.w.	100	50	50	25	40
Density (20 °C)	g/cm ³	1.1	0.95	0.95	0.95	0.95
Viscosity (25 °C)	mPa·s	2,400	60	2,000	40	120

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		600	2.200	350	300
Density (20 °C)	g/cm ³	DIN 53479	1.1	1.1	1.1	1.1
Hardness (according to thickness)	Shore D	DIN 53505	78	78	75	75
Pot life (20 °C, 500 g)	Minuten		25	25	60	210

Mechanical values of the cured product (approx. values) 7 days room temperature

Glass transition temperature TG	°C	DSC 204 F1 DIN 51005	35	40	45	35
Flexural strength	MPa	DIN 53452	74	74	74	60

How to process the material

Resin and hardener have to process in the indicated mixing ratio (with temperature between 20°C and 30°C) until the compound is homogeneous.

The pot life depends on temperature. At 20 °C and a quantity of 500 g it takes 25 - 210 minutes – according to the kind of hardener.

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

Form of delivery

NEUKADUR EP 14	5 kg	10 kg	200 kg
NEUKADUR hardener VG 1	2.5 kg	5 kg	25 kg
NEUKADUR hardener 16	2.5 kg	5 kg	25 kg
NEUKADUR hardener 297	1.25 kg	2.5 kg	25 kg
NEUKADUR hardener 298	2.0 kg	5 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.

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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