

Main features

- epoxy resin system
- very good dimensional stability under heat up to 150 °C
- very good impregnating and wetting properties
- good resistance to fuels

Applications

- special laminating- and multipurpose resin
- production of composites made of glass-, carbon- or aramid fabrics
- general mould and tool making, gauge construction

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

		NEUKADUR EN 401	NEUKADUR Hardener 89
Colour		yellowish	amber
Mixing ratio	p.b.w.	100	40
Density (20 °C)	g/cm ³	1.1	0.95
Viscosity (25 °C)	mPa·s	3,500	200

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		2,300
Hardness	Shore D	DIN 53505	85
Pot life (20 °C, 1000 g)	minutes		60
Demouldable	hours		24

Mechanical values of the cured product – tempered step by step up to 120 °C for 14 h , laminate 15 layers of Interglas 92140 (approx. values)

Tensile strength	MPa	DIN 53455	270
Modulus in tension	MPa	DIN 53457	25,000
Flexural strength	MPa	DIN 53452	400
Dimensional stability under heat	Martens °C	DIN 53458	150
Linear dimensional change	mm/m	500 x 20 x 25	0.2

How to process the material

Mix resin and hardener in the indicated mixing ratio until the compound is homogeneous. Then process the material at temperatures between 10 to 30 °C.

All common processing methods are possible.

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

Form of delivery

NEUKADUR EN 401	1 kg	5 kg	10 kg	25 kg
NEUKADUR Hardener 89	0.4 kg	2 kg	4 kg	10 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.

• 2016-05-11.2 / 4 / LW-W •