

# NEUKADUR EP 571

Epoxy Resin

# altropol

## Main features

- good impregnating and wetting properties
- medium-viscous
- high dimensional stability
- very high mechanical properties
- hardeners can be mixed with each other
- excellent adhesion properties

## Applications

- laminating and multipurpose resin
- backfillings
- heat-resistant moulds

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

		NEUKADUR EP 571	NEUKADUR Hardener BWS	NEUKADUR Hardener T 3	NEUKADUR Hardener T 39	NEUKADUR Hardener T 9	NEUKADUR Hardener T 10	NEUKADUR Hardener T 8
Colour		amber	amber	amber	amber	amber	amber	amber
Mixing ratio	p.b.w.	100	25	25	25	25	25	25
Density (20 °C)	g/cm <sup>3</sup>	1.1	0.95	0.95	0.95	0.95	0.95	0.95
Viscosity (20 °C)	mPa·s	3,500	3,800	200	150	100	100	100

## Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		3,600	1,300	1,100	900	900	900
Pot life (1000 g)	minutes		15	35	60	90	110	120
Curing time	hours		12	18	25	30	48	40
Hardness	Shore D	DIN 53505						82
Density	g/cm <sup>3</sup>	DIN 53479						1.1

## Mechanical values after 7 days of storage at 20 °C (approx. values)

Tensile strength	MPa	DIN 53455						65
Modulus in tension	MPa	DIN 53457						3,000
Flexural strength	MPa	DIN 53452						95
Impact strength	kJ/m <sup>2</sup>	EN ISO 179						6
Dimensional stability under heat (72 h RT + 4 h 80 °C + 18 h RT)	Martens °C	DIN 53458						105

\* RT = room temperature

## How to process the material

The indicated mixing ratios have to be observed.

Mix resin and hardener thoroughly (hand mixing for approx. 3 minutes).

When using powdery or fibroid fillers, mix at first resin and hardener. Then add the dry and grease-free fillers and stir up the compound once again.

The pot life is temperature-dependent and varies according to the type of hardener used.

For release agents, please visit our homepage under <http://www.altropol.de/en/and-more/release-agents.html>

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## Form of delivery

NEUKADUR EP 571	1 kg	5 kg	10 kg	30 kg	60 kg	220 kg
NEUKADUR Hardener BWS	0.25 kg	1 kg	5 kg	10 kg	30 kg	
NEUKADUR Hardener T 3	0.25 kg	1.25 kg	5 kg	10 kg	25 kg	30 kg
NEUKADUR Hardener T 39	0.5 kg	1 kg	5 kg	10 kg	25 kg	
NEUKADUR Hardener T 9	0.25 kg	1 kg	5 kg	10 kg	25 kg	30 kg
NEUKADUR Hardener T 10	0.25 kg	1 kg	5 kg	10 kg	25 kg	30 kg
NEUKADUR Hardener T 8	1.25 kg	5 kg	10 kg	25 kg		

## Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 15 - 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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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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• [www.altropol.de](http://www.altropol.de) •

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