

NEUKADUR K 27

Polyester Resin

altropol

Main features

- high flexural strength
- high tensile strength
- high impact strength
- short pot life
- quick dry grindability
- fillable with talcum, slate flour, quartz powder, titanium dioxide

Applications

- knifing putty
- technical moulded parts
- lining

Properties in the non-crosslinked state at 20 °C

		NEUKADUR K 27	Benzoyl peroxide paste
Colour		amber	red / white
Mixing ratio	p.b.w.	100	2 – 4
Density 20 °C (approx.)	g/cm ³	1.13	1.3
Viscosity 20 °C (approx.)	mPa·s	1,000	pasty
Styrene content	%	35	-

Properties of the mixture and the cured product at 20 °C (approx. values)

Mixed viscosity	mPa·s		
Pot life (500 g)	minutes		7
Curing time per layer thickness	minutes		30
Density	g/cm ³	DIN 53479	1.2
Flexural strength	MPa	DIN 53452	155
Impact strength	kJ/m ²	DIN 53453	15
Compressive strength	MPa	DIN 53454	155
Modulus in tension	MPa	DIN 53457	4,000
Dimensional stability under heat	Martens °C	DIN 53458	85
Volume shrinkage	%		5

How to process the material

First mix NEUKADUR K 27 thoroughly with an appropriate quantity of filler. Only then add the benzoyl peroxide paste.

The mixture is ready for use immediately and has to be processed within 5 to 10 minutes.

Before applying the paste, we recommend degreasing the damaged spots and roughening them by means of a fine abrasive paper, if necessary. Remove the excess repair material with a knife.

Grinding and polishing is possible after further 5 minutes.

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Form of delivery

NEUKADUR K 27	1.00 kg	5.00 kg	10.00 kg	30.00 kg
Benzoyl peroxide paste	0.05 kg in red or white			

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.

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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