

Main features

- pot life individually adjustable
- high mechanical and interlaminar adhesion
- low shrinkage
- modification of the density by addition of Comp. C

Applications

- component parts for industrial applications
- component parts in the interior of passenger cars and trucks
(glass- or natural fiber-reinforced)

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

		NEUKADUR EP RF 200 Comp. A	NEUKADUR EP RF 200 Comp. B	NEUKADUR Hardener T 3	NEUKADUR EP RF 200 Comp. C
Colour		colourless	colourless	yellowish	colourless
Mixing ratio	p.b.w.	100	33	25	2 - 3*
Density (20 °C)	g/cm ³	1.1	0.97	0.98	0.96
Viscosity (25 °C)	mPa·s	21,000	10,000	200	50

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s	11,000	8,000	
Pot life (20 °C)	minutes	40	25	
Curing time (25 °C)	minutes	180	120	
Curing time (70 °C)	minutes	30	15	

Mechanical values of the cured product – tempered step by step up to 100 °C for 14 h (approx. values)

Density of the cured foam	g/cm ³	DIN 53479	0,2	0.2	
Compressive strength (foam density 0.3 g/cm ³)	MPa	DIN 53454	3.9		
Glass transition temperature TG	°C	DSC 204 F1 DIN 51005	138	120	

* a higher dosage effects a stronger expansion of the foam system

How to process the material

Mix resin and hardener thoroughly in the indicated mixing ratio.

Also include deposits at wall and bottom of the receptacle in the stirring process.

After addition of 2 - 3 % of NEUKADUR EP RF 200 Comp. C (environmentally friendly blowing agent), an expanding epoxy resin system is generated.

The pot life depends on batch size, hardener and temperature.

The curing takes place at room temperature with NEUKADUR EP RF 200 Comp. B (post-curing for at least 3 hours at 80 °C) or in heated moulds with NEUKADUR Hardener T 3 at 60 °C for approx. 2 hours.

The complete curing of the moulded material can be achieved by appropriate post-curing cycles.

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

Form of delivery

NEUKADUR EP RF 200	1 kg	5 kg	10 kg	25 kg	180 kg
NEUKADUR EP RF 200 Comp. B	0.33 kg	1.65 kg	8.25 kg	30 kg	
NEUKADUR EP RF 200 Comp. C	0.02 kg	0.1 kg	0.5 kg	3.6 kg	
NEUKADUR Hardener T 3	1 kg	5 kg	10 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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