

**Haupteigenschaften**

- epoxy resin foam system
- pot life adjustable by different hardeners
- high mechanical and interlaminar adhesion
- low shrinkage
- modification of the density by variation of the quantity of component C to be added

**Anwendungen**

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

**Properties in state upon delivery (approx. values)**

	<b>NEUKADUR EP RF 200 Comp.A</b>	<b>NEUKADUR EP RF 200 Comp.B</b>	<b>NEUKADUR Hardener T 3</b>	<b>NEUKADUR EP RF 200 Comp.C</b>
	resin component	hardener component	hardener component	blowing agent CFC-free
Colour	colourless	colourless	yellowish	colourless
Density g/cm <sup>3</sup>	1.1	0.97	0.98	0.96
Viscosity mPa·s (20°C)	21000	10000	200	50

**Properties of the mixture (approx. values)**

	<b>NEUKADUR EP RF 200 Comp.A</b>	<b>NEUKADUR EP RF 200 Comp.B</b>	<b>NEUKADUR Hardener T 3</b>	<b>NEUKADUR EP RF 200 Comp.C</b>
Mixing ratio/p.b.w.	100	33	25	2 - 3
Mixed viscosity (25 °C) mPa·s		11000	8000	
Pot life (20 °C) minutes		40	25	
Curing time (25°C) minutes		180	120	
Curing time (70°C) minutes		30	15	

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

		<b>NEUKADUR EP RF 200 Comp.B</b>	<b>NEUKADUR Hardener T3</b>
Density of the cured foam	g/cm <sup>3</sup>	0.2	0.2
Compressive strength (foam density 0.3g/cm <sup>3</sup> )	MPa	3.9	work in progress
TG ( DSC )	°C	138	120

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## How to process the material

Mix resin and hardener in the indicated ratio until the compound is homogeneous. After addition of 2 to 3 % of NEUKADUR EP RF 200 F Comp. C (environmentally friendly blowing agent), an expanding epoxy resin system will be created.

Take care that material that may adhere to the wall and to the bottom of the receptacle is included in the mixing process. Curing takes place at room temperature with 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. 1.5 hours. The entire curing of the material can be obtained by adequate post-curing cycles.

The processing time depends on the batch size and on the temperature involved.

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## Form of delivery

NEUKADUR EP RF 200 Comp. A	1, 5, 25, 180 kg	receptacles
NEUKADUR EP RF 200 Comp. B	0.33; 1.65; 8.25; 30 kg	receptacles
NEUKADUR EP RF 200 Comp. C	0.02; 0.10; 0.50; 3.6 kg	receptacles
NEUKADUR Hardener T3	1, 5, 10, 25 kg	receptacles

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## Storage

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

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## Measure of precaution

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological, and other data relating to safety, to inform themselves on the safe handling and storage of products.

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