

NEUKADUR EN 843 with NEUKADUR Hardener 201, 202, 203 and 204

General	<p>NEUKADUR EN 843 is an epoxy resin system of low viscosity with four hardeners of different reactivities. The hardeners can be mixed with each other. NEUKADUR EN 843 can be used universally as back filling or laminating resin.</p> <p>It is particularly suitable for the production of component parts of glass, carbon or aramide.</p>				
Mixing ratio	<p>100 p.b.w. NEUKADUR EN 843 50 p.b.w. NEUKADUR Hardener 201 (slow) or 50 p.b.w. NEUKADUR Hardener 202 (medium) or 50 p.b.w. NEUKADUR Hardener 203 (fast) or 35 p.b.w. NEUKADUR Hardener 204 (heat-resistant)</p>				
Fields of application	<ul style="list-style-type: none">• Production of FRP, CRP or SRP component parts• Fixing and glueing of composite component parts• General mould, tool and gauge manufacture				
Processing	<p>Resin and hardener are mixed in the a/m ratio to a homogeneous compound. Processing of this compound should take place at temperatures between 10°C and 50°C if possible. All usual processing methods can be applied.</p>				
Pot life	<p>The pot life is temperature-dependent.</p>				
Form of delivery	<table><tr><td>EN 843</td><td>1 kg, 5 kg, 30 kg, 60 kg drum</td></tr><tr><td>Hardener EN 201 / 202 / 203 / 204</td><td>0.5 kg, 2.5 kg, 10 kg, 30 kg</td></tr></table>	EN 843	1 kg, 5 kg, 30 kg, 60 kg drum	Hardener EN 201 / 202 / 203 / 204	0.5 kg, 2.5 kg, 10 kg, 30 kg
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Shelf life:	<p>At 18 - 25 °C in closed original drums: 1 year.</p>				

			NEUKADUR EN 843	NEUKADUR hardener			
				<u>201</u>	<u>202</u>	203	<u>204</u>
<u>Properties in state upon delivery</u>							
Colour			yellowish	pale yellow	pale yellow	pale yellow	pale
			yellow				
Density (20 °C)	g/cm ³	approx.	1.1	1.0	1.0	1.0	1.0
Viscosity (25 °C)	mPa·s	approx.	10,500	420	290	55	300
<u>Properties of the mixture</u>							
Mixing ratio	p.b.w.		100	50	50	50	35
Mixed viscosity (25 °C)	mPa·s	approx.		2,000	1,650	500	
Pot life (20 °C)							
500 ml	minutes	approx.		100	40	20	60
Demouldable after	hours	approx.		16	12	12	16
<u>Data of the cured product - 7 days at RT or 4 hours at 60 °C</u>							
Temperature of deflection under load (Martens) DIN 53458	°C	approx.		66	58	55	98*

* Tempering 5 hours at 80 °C

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 you from the duty to check by yourselves 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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