

NEUKADUR O-Paste Alu

Description	NEUKADUR O-Paste Alu is a aluminiumpowder filled two components gel-coat systems based on epoxy resin.		
Mixing ratio	100 p.b.w. NEUKADUR O-Paste Alu 10 p.b.w. NEUKADUR hardener T 3 / - BWS		
Fields of application	For the production of negatives which should effect a homogenous and smooth surface; vacuum deep drawing moulds, all kind of pattern.		
Processing	<p>The resin compounds must be stirred before adding the hardener. After mixing both compounds (thoroughly) the mixture is to be applied with a short bristled brush. Allow to gel at room-temperature until almost tack-free apply the second gel-coat.</p> <p>Material must be homogenised thoroughly before starting work. This especially after storage and / or transport by low temperature.</p>		
Pot-life	The pot-life depends on the temperature. At 20 °C and a quantity of 500 g has a pot-life of approx. 15 - 20 minutes		
Availability	Arbeitspackungen	<u>T 3</u>	<u>BWS</u>
	NEUKADUR O-Paste Alu	1000 g	500 g
	NEUKADUR hardener T 3 / - BWS	100 g	50 g
Shelf-life	At 18 - 25 °C and in closed original drums approx. 1 year.		

		<u>NEUKADUR O-Paste Alu</u>	<u>NEUKADUR hardener T 3</u>	<u>NEUKADUR hardener BWS</u>
<u>Properties of the components</u>				
colour		grey	amber	amber
Density	g/cm ³	approx. 1,6	approx. 0,95	approx. 0,95
Viscosity (20 °C)	mPa·s	approx. 100000	approx. 200	approx. 3800
<u>Properties of the mixture</u>				
Mixing ratio	p.b.w.	100	10	10
Mixin viscosity (20 °C)	mPa·s		spreadable	spreadable
Pot-life (20 °C)				
500 g	minutes			approx. 15
1000 g	minutes		approx. 30	10 - 15
Gel-time (1 mm / 20 °C)	minutes			approx. 60
Curing-time (1 mm / 20 °C)	hour		approx. 24	approx. 12
<u>Properties of the reaction product -7 days by RT</u>				
Shore D-Hardness	DIN 53505	points		approx. 82
Density	DIN 53479	g/cm ³		approx. 1,5
Tensile strength	DIN 53452	N/mm ²		70 - 80
Impact strength	DIN 53453	kJ/m ²		7 - 8
Dimensional stability under heat (Martens)	DIN 53458	°C		approx. 90

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