

NEUKADUR O-Paste white K

Description	NEUKADUR O-Paste white K is a mineral filled, thixotropic gel-coat system based on epoxy resin. Together with NEUKADUR hardener BWS the final surface is hard, grindable, with good edging stability and resistance against weak liquor.								
Mixing ratio	100 p.b.w. NEUKADUR O-Paste white K 14 p.b.w. NEUKADUR hardener BWS								
Fields of application	Models for porcelain - and ceramics industry, negatives, gauges, master models, copying - and stylistic models.								
Processing	<p>NEUKADUR O-Paste white K is to be stirred thoroughly before use to avoid sedimentation of fillers. Afterwards resin and hardener have been thoroughly mixed, the first surface coat is to be applied with a short-bristled brush. Once that the first surface coat has begun to gel, the second can be applied. The gel time depends on the temperature and is at RT (20 °C) approx. 40 - 50 minutes.</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 a quantity of approx. 380 g has a pot-life of approx. 30 minutes.								
Availability	<p>preweighed package</p> <table><tr><td>NEUKADUR O-Paste white K</td><td>330 g</td></tr><tr><td>NEUKADUR hardener BWS</td><td>50 g</td></tr></table> <p>big-package</p> <table><tr><td>NEUKADUR O-Paste white K</td><td>7 kg</td></tr><tr><td>NEUKADUR hardener BWS</td><td>1 kg</td></tr></table>	NEUKADUR O-Paste white K	330 g	NEUKADUR hardener BWS	50 g	NEUKADUR O-Paste white K	7 kg	NEUKADUR hardener BWS	1 kg
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Shelf-life	At 18 - 25 °C and in closed original drums approx. 1 year.								

**NEUKADUR
O-Paste white K****NEUKADUR
hardener BWS****Properties of the components**

Colour		white	amber
Density	g/cm ³	approx. 1,5	approx. 0,95
Viscosity (20 °C)	mPa·s	thixotropic	approx. 3.800

Properties of the mixture

Mixing ratio		100 p.b.w.	14 p.b.w.
Mixing viscosity (20 °C)			spreadable
Pot-life (20 °C)			
380 g	minutes		approx. 30
1000 g	minutes		approx. 20
Gel-time (1 mm at 20 °C)	minutes		approx. 60
Curing-time (1 mm at 20 °C)	hours		16 - 24

Properties of the reaction product - 7 Tage at RT

Shore D-Hardness	DIN 53505	points	approx. 78
Density	DIN 53479	g/cm ³	approx. 1,4
Tensile strength	DIN 53455	N/mm ²	40 - 42
Elongation	DIN 53455	%	approx. 0,45
Modules of elasticity	DIN 53457	N/mm ²	approx.5.800
Flexural strength	DIN 53452	N/mm ²	75 - 80
Compressive strength	DIN 53454	N/mm ²	110 - 120
Ball indentation hardness 30“	DIN 53456	N/mm ²	210 - 250
Impact strength	DIN 53453	kJ/m ²	6 - 7
Dimensional stability under heat (Martens)	DIN 53458	°C	45 - 60
Thermal conductivity	DIN 52612	W/K·m	0,5 - 0,6
Coefficient of linear expansion	VDE	10 ⁻⁶ K ⁻¹	40 - 45

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