

Main features

- epoxy resin system
- hard
- very high abrasion resistance
- optimized chemical- and heat-resistance with hardener BWS
- soft consistency

Applications

- foundry pattern making
- general mold and tool making
- foaming moulds
- production of gauges
- core boxes

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

		NEUKADUR O-Paste blue AF new	NEUKADUR Hardener O-Paste blue AF	NEUKADUR Hardener BWS
Colour		blue	amber	amber
Mixing ratio	p.b.w.	100	10	10
Density (20 °C)	g/cm ³	1.75	0.95	0.95
Viscosity (20 °C)	mPa·s	140,000	250	800

Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		35,000	45,000
Pot life (1000 g)	minutes		30	15
Gel time (20 °C, 1mm)	minutes		60	40
Curing Time (20 °C, 1mm)	hours		24	18
Density	g/cm ³	DIN 53479	1.7	1.7
Hardness	Shore D	DIN 53505	83	83

Mechanical values of the cured product (approx. values)

Dimensional stability under heat	Martens °C	DIN 53458	85	90
Tensile strength	MPa	DIN 53455	35	30
Modulus in tension	MPa	DIN 53457	7,000	7,500
Compressive strength	MPa	DIN 53454	120	120
Ball indentation hardness 30"	N/mm ²	DIN 53456	150	160
Thermal conductivity	W/K·m	DIN 52612	0.5	0.5
Coefficient of linear thermal expansion	10 ⁻⁶ K ⁻¹	VDE	40	40

*RT = room temperature

How to process the material

Stir up resin component thoroughly.

This is particularly important after storage and/or transport at low temperatures. Raw material and surroundings should have a temperature of approx. 20 °C.

After having mixed resin and hardener intensively, spread the compound by means of a short-haired brush.

Another layer can be applied as soon as the coat has started to gel, but while it is still slightly tacky.

This state is temperature-dependent, and at room temperature, it is obtained after approx. 40 - 60 minutes - depending on the type of hardener used.

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

Form of delivery

NEUKADUR O-Paste blue AF new	0.5 kg*/**	1 kg***	10 kg
NEUKADUR Hardener O-Paste blue AF	0.05 kg*	0.1 kg***	1 kg
NEUKADUR Hardener BWS	0.05 kg**	0.1 kg	1 kg

*= minimum order quantity: 10 kits

/= minimum order quantity: 5 kits

***/**= minimum order quantity: 5 kits

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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