

NEUKADUR MP 428

Moulding Paste based on Epoxy
for manual application

altropol

Improved Quality

Main features

- very well mixable
- well workable with pattern makers' tools
- good adhesion to many structural materials
- formulation curing at room temperature
- low density

Applications

- workable top coats
- large-scale pattern making
- repairs of moulds and patterns

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

		NEUKADUR MP 428	NEUKADUR Hardener MP 428
Colour		brown	white
Mixing ratio	p.b.w.	100	100
Mixing ratio	p.b.v.	100	100
Density 20 °C	g/cm ³	0.7	0.7
Viscosity 20 °C	mPa·s	pasty	pasty

Properties of the mixture (approx. values)

Pot life (20 °C) (200 g)	minutes		40
Curing time (20 - 25 °C; layer thickness 40 mm)	hours		16

Mechanical values of the cured product after 7 days at RT (approx. values)

Hardness	Shore D	DIN 53505	55
Dimensional stability under heat HDT	°C	ISO 75	50
Coefficient of thermal expansion	10 ⁻⁶ K ⁻¹	ISO 11359	35
Flexural strength	MPa	DIN 53452	13
Modulus in flexure	MPa	DIN 53452	1,300
Impact strength	kJ/m ²	EN ISO 179	5
Compressive strength	MPa	DIN 53454	18
Modulus in compression	MPa	DIN 53454	1,700

RT = room temperature

* = work in progress

How to process the material

Mix the NEUKADUR MP 428 with the NEUKADUR Hardener MP 428 in the weight ratio of 1:1 by hand or by means of a kneader. The processing temperature should range from 20°C to 25°C. It should never lie below 18°C. The compound has been mixed well when it obtains a uniform colour. This moulding paste stands out for its good mechanical properties, no internal tensions and a high dimensional stability of the cured moulding material. The max. layer thickness is 40 mm in one operation. For thicker layers we recommend applying the second layer only after the first one has gelled.

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

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Form of delivery

NEUKADUR MP 428	5 kg
NEUKADUR Hardener MP 428	5 kg

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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