

NEUKADUR Fleximasse N

2-C PUR Mould Making Material

altropol

Main features

- very elastic
- low linear shrinkage
- good flow- and degassing properties

Applications

- elastic negative moulds for moulded parts of gypsum, concrete, reaction resins and wax having structured surfaces with underside grip
- for industry, technique, art and craft

Properties in the non-crosslinked state at 20 °C (approx. values)

		NEUKADUR Fleximasse N	NEUKADUR hardener Fleximasse N 1	NEUKADUR hardener Fleximasse N 2	NEUKADUR hardener Fleximasse N 3
Colour		grey	brown	brown	brown
Mixing ratio	p.b.w.	100	15	10	5
Density	g/cm ³	1.4	1.1	1.15	1.2
Viscosity	mPa·s	9,000	100	150	300

Properties of the mixture (7 days 20 °C, approx. values)

Mixed viscosity	mPa·s		4,000	4,500	6,000
Pot life (1000 g)	minutes		40	30	20
Tack -free	hours		6	5	5

Properties of the cured product (approx. values)

Curing time	hours		24	24	24
Hardness	Shore A	DIN 53505	40	50	60
Density	g/cm ³	DIN 53479	1.35	1.35	1.4
Tensile strength	MPa	DIN 53455	2	2,5	3
Elongation at break	%	DIN 53455	400	300	200
Resistance to tear propagation	N/mm	ASTM D 624 B	20	19	21

How to process the material

Mix the flexible compound NEUKADUR Fleximasse N with a hardener until it is bubble-free, homogeneous and streak free.

The mixing ratio has to be strictly observed.

The surfaces of the supporting moulds and positive patterns have to be smooth and free from striae and pores.

To ensure that the release agent to be applied later on does not soak into the capillaries of the mould surface, seal porous and sucking mould surfaces such as rigid foam, wood, concrete or gypsum.

Suitable for this purpose is NEUKADUR release wax TW.

As release agent we recommend NEUKADUR release agent SE NEU and NEUKADUR release spray P 6.

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

The mould making material and the body to be cast with the supporting mould should have a minimum temperature of 20°C.

At low temperatures, the compound cures perfectly, however it becomes viscous and makes the subsequent degassing much more difficult. To minimize the air inclusion and to allow the included air to escape completely during the pot life, fill the mixture slowly into the mould.

The often various, different mould contours may require a repeated casting.

The pot life is dependent on the temperature and the type of hardener involved.

Form of delivery

NEUKADUR Fleximasse N	1.00 kg*	10.00 kg
NEUKADUR hardener Fleximasse N 1	0.15 kg*	1.50 kg
NEUKADUR hardener Fleximasse N 2	0.10 kg*	1.00 kg
NEUKADUR hardener Fleximasse N 3	0.05 kg*	0.50 kg

*=minimum order quantity = 6 working packages

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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