

NEUKADUR EP 24

Epoxy Resin

Preliminary datasheet

altropol

Main features

- very low viscosity
- air bubble free
- no odor
- mixing ratio 2:1
- BPA free
- fast curing
- excellent UV stability due to the use of antioxidants and light stabilizers
- without C12-14 alkyl glycidyl ether (reactive diluent)

Applications

- adhesive
- universal resin
- multipurpose resin
- artistic / decorative applications
- casting resin
- layer thickness up to 1 cm⁽¹⁾

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

		NEUKADUR EP 24	NEUKADUR hardener 324 mod. 1
Colour		transparent	clear
Mixing ratio	p.b.w.	100	50
Density (20 °C)	g/cm ³	1.1	0.95
Viscosity (25 °C)	mPa·s	1,850	100

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		350
Pot life (20°C, 100 g)	minutes		35
Density	g/cm ³	DIN 53479	1.1
Curing time depending on layer thickness	hours		16 – 24
Hardness at layer thickness 1 cm	Shore D	DIN 53505	80
Tensile strength	MPa	DIN 53455	45
Flexural strength	MPa	DIN 53452	80
Compressive strength	MPa	DIN ISO 604	80
Glass transition temperature T _g	°C	DSC 204 F1 DIN 51005	*

*in progress

How to process the material

Mix resin and hardener in the indicated mixing ratio until the compound is homogeneous and process the same at temperatures between 20 °C and 30 °C.

The pot life depends on the temperature and is at 20 °C and a batch size of 100 g with hardener 324 mod. 1 approx. 35 minutes.

For coloring NEUKADUR EP 24 we recommend the AltroColor EP 2000 series. www.altrocolor.de

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

Form of delivery

NEUKADUR EP 24	5 kg	25 kg	200 kg	1000 kg	
NEUKADUR hardener 324 mod. 1	2.5 kg	10 kg	25 kg	200 kg	1000 kg

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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.

⁽¹⁾The coating thickness depends on various factors, e.g. geometry of the mold, type of mold, ambient temperature, etc. Therefore, it is recommended to work at room temperature if possible. In some cases, it is recommended to apply the product in layers for thick layers.

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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