

**NEUKADUR MultiCast 20**  
 2-C PUR Fast-Cast System  
 Universal binder - filled, low-viscous

**altropol**

**Main features**

- low-viscous
- easy to process
- low shrinkage
- very good through-curing

**Applications**

- production of negatives/positives
- universally for all kinds of moulds and patterns

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

|                 |                   | NEUKADUR<br>MultiCast 20 | NEUKADUR<br>Hardener ISO 5 | Mixture |
|-----------------|-------------------|--------------------------|----------------------------|---------|
| Colour          |                   | neutral                  | brown                      |         |
| Mixing ratio    | p.b.w.            | 100                      | 20                         |         |
| Density (20 °C) | g/cm <sup>3</sup> | 1.60                     | 1.20                       | 1.50    |
| Viscosity (RT)  | mPa·s             | 6,000 ± 750              | 50                         | 2,500   |
| Pot life (RT)   | minutes           |                          |                            | 5       |

**Properties of the mixture (approx. values)**

|                      |         |           |               |
|----------------------|---------|-----------|---------------|
| Colour               |         |           | white - beige |
| Demouldable at 25 °C |         |           |               |
| 4 – 5 mm             |         | minutes   | 35            |
| 30 – 40 mm           |         | minutes   | 25            |
| Hardness             | Shore D | DIN 53505 | 80            |

**Mechanical values (approx. values)**

|                                  |                   |                  |       |
|----------------------------------|-------------------|------------------|-------|
| Tensile strength                 | MPa               | DIN 53455        | 21    |
| Tensile elongation               | %                 | DIN 53455        | 6     |
| Flexural strength                | MPa               | DIN 53452        | 30    |
| Bending elongation               | %                 | DIN 53452        | 1.5   |
| Dimensional stability under heat | °C                | According to HDT | > 105 |
| Impact strength                  | kJ/m <sup>2</sup> | EN ISO 179       | 5     |
| Compressive strength             | MPa               | DIN 53454        | 70    |
| Linear dimensional change        | %                 | 500 x 50 x 25 mm | 0.15  |

\*RT = room temperature

**How to process the material**

Before using NEUKADUR MultiCast 20, mix the same thoroughly until it has got a homogeneous appearance. Mix both components thoroughly with each other at room temperature (> 18°C) according to the indicated mixing ratio. Before casting make sure that the parts and moulds are free from humidity and non-evaporated release agent.

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 MulitCast 20   | 1 kg   | 5 kg | 10 kg |
| NEUKADUR Hardener ISO 5 | 0.2 kg | 1 kg | 2 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.

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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.

• 2020-05-05.5 / 12 / LW-W •

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• [www.altropol.de](http://www.altropol.de) •

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