

Main features

- low-viscous
- cured casting compound is easy to machine
- low shrinkage
- good through-curing with a relatively long pot life
- good edge stability
- high compressive strength

Applications

- production of negatives/positives
- universally for all kinds of moulds and patterns
- high-volume casts
- vacuum deep-drawing moulds

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

| | | MultiCast 30 | Hardener ISO 1 | Unfilled mixture | Mixture filled with filler B |
|----------------|-------------------|--------------|----------------|------------------|------------------------------|
| Colour | | beige | yellowish | | |
| Mixing ratio | p.b.w. | 100 | 100 | - | 350 |
| Density 20 °C | g/cm ³ | 1.00 | 1.20 | 1.10 | 1.6 |
| Viscosity mPas | room temperature | 900 | 100 | 430 | 6000 |
| Pot life/min | room temperature | | | 35 - 40 | 30 - 35 |

Mechanical and other specifications (approx. values)

| | | | Unfilled mixture | Filled mixture |
|----------------------|-------------------|------------------|------------------|----------------|
| Hardness | Shore D | DIN 53505 | 80 | 85 |
| Colour | | | beige | beige |
| Tensile strength | MPa | DIN 53455 | 39 | 10 |
| Tensile elongation | % | DIN 53455 | 2 | 6 |
| Flexural strength | MPa | DIN 53452 | 65 | 33 |
| Bending elongation | % | DIN 53452 | 5 | 1.2 |
| Modulus in flexure | MPa | DIN 53457 | 1700 | 2900 |
| Impact strength | KJ/m ² | DIN 51230 | 5 | 3 |
| Compressive strength | MPa | DIN 53454 | - | 90 |
| Linear shrinkage | % approx. | 500 x 50 x 25 mm | - | 0.05 |
| Demouldable at 25 °C | | | | |
| 4 – 5 mm | Hours | | 24 | 24 |
| 30 – 40 mm | Hours | | - | 24 |

How to process the material

Before using MultiCast 30, 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 layers with a thickness of > 5 mm, we recommend the use of fillers, e. g. filler B. We also recommend sharing out the quantity of filler between both components.

NEUKADUR MultiCast 30
2 C-PUR-Cast System
Universal binder for high-volume casts

altropol

Form of delivery

NEUKADUR MultiCast 30/ISO 1 1 kg, 5 kg, 10 kg, 30 kg, IBC 1000 kg

Storage

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

Measure of precaution

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological, and other data relating to safety, to inform themselves on the safe handling and storage of products.
