

**Main features**

- good impregnating and wetting properties
- medium-viscous
- high dimensional stability
- very high mechanical properties
- hardeners can be mixed with each other
- excellent adhesion properties

**Applications**

- laminating and multipurpose resin
- backfillings
- heat-resistant moulds

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

|                   |                   | NEUKADUR<br>EP 571 | NEUKADUR<br>Hardener<br>BWS | NEUKADUR<br>Hardener<br>T 3 | NEUKADUR<br>Hardener<br>T 39 | NEUKADUR<br>Hardener<br>T 9 | NEUKADUR<br>Hardener<br>T 10 | NEUKADUR<br>Hardener<br>T 8 |
|-------------------|-------------------|--------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| Colour            |                   | amber              | amber                       | amber                       | amber                        | amber                       | amber                        | amber                       |
| Mixing ratio      | p.b.w.            | 100                | 25                          | 25                          | 25                           | 25                          | 25                           | 25                          |
| Density (20 °C)   | g/cm <sup>3</sup> | 1.1                | 0.95                        | 0.95                        | 0.95                         | 0.95                        | 0.95                         | 0.95                        |
| Viscosity (20 °C) | mPa·s             | 3,500              | 350                         | 200                         | 150                          | 100                         | 100                          | 100                         |

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

|                   |                   |           |       |       |       |     |     |     |
|-------------------|-------------------|-----------|-------|-------|-------|-----|-----|-----|
| Mixed viscosity   | mPa·s             |           | 1,400 | 1,300 | 1,100 | 900 | 900 | 900 |
| Pot life (1000 g) | minutes           |           | 15    | 35    | 60    | 90  | 110 | 120 |
| Curing time       | hours             |           | 12    | 18    | 25    | 30  | 48  | 40  |
| Hardness          | Shore D           | DIN 53505 | 82    | 82    | 82    | 82  | 82  | 82  |
| Density           | g/cm <sup>3</sup> | DIN 53479 | 1.1   | 1.1   | 1.1   | 1.1 | 1.1 | 1.1 |

**Mechanical values after 7 days of storage at 20 °C (approx. values)**

|  |                   |            |            |       |            |            |            |       |
|--|-------------------|------------|------------|-------|------------|------------|------------|-------|
| Tensile strength   | MPa               | DIN 53455  | 60         | 50    | in process | in process | in process | 65    |
| Modulus in tension   | MPa               | DIN 53457  | 2,250      | 2,250 | in process | in process | in process | 3,000 |
| Flexural strength  | MPa               | DIN 53452  | 90         | 120   | in process | in process | in process | 95    |
| Impact strength  | kJ/m <sup>2</sup> | EN ISO 179 |            |       | in process | in process | in process | 6     |
| Dimensional stability under heat (72 h RT + 4 h 80 °C + 18 h RT) | Martens °C        | DIN 53458  | in process | 100   | in process | in process | in process | 105   |

\* RT = room temperature

**How to process the material**

The indicated mixing ratios have to be observed.

Mix resin and hardener thoroughly (hand mixing for approx. 3 minutes).

When using powdery or fibroid fillers, mix at first resin and hardener. Then add the dry and grease-free fillers and stir up the compound once again.

The pot life is temperature-dependent and varies according to the type of hardener used.

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

**Form of delivery**

|                        |         |         |       |       |        |       |
|------------------------|---------|---------|-------|-------|--------|-------|
| NEUKADUR EP 571        | 1 kg    | 5 kg    | 10 kg | 30 kg | 220 kg |       |
| NEUKADUR Hardener BWS  | 0.25 kg | 1 kg    | 5 kg  | 10 kg | 30 kg  |       |
| NEUKADUR Hardener T 3  | 0.25 kg | 1.25 kg | 5 kg  | 10 kg | 25 kg  | 30 kg |
| NEUKADUR Hardener T 39 | 0.5 kg  | 1 kg    | 5 kg  | 10 kg | 25 kg  |       |
| NEUKADUR Hardener T 9  | 0.25 kg | 1 kg    | 5 kg  | 10 kg | 25 kg  | 30 kg |
| NEUKADUR Hardener T 10 | 0.25 kg | 1 kg    | 5 kg  | 10 kg | 25 kg  | 30 kg |
| NEUKADUR Hardener T 8  | 1.25 kg | 5 kg    | 10 kg | 25 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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