WEICON F Epoxy Resin

WEICON F is particularly suited for applications on components made from aluminium, aluminium alloys, magnesium and other light metals. WEICON F can be used for inexpensive repairs of all types, for filling in blowholes on light metal castings and for the reconstruction of components.

WEICON F can be used in tool construction, model and mould making, and in many other industrial applications.

Technical Data

<table>
<thead>
<tr>
<th>Composition</th>
<th>Epoxy resin aluminium-filled</th>
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</thead>
<tbody>
<tr>
<td>Specific Properties</td>
<td>pasty</td>
</tr>
<tr>
<td>Colour after curing</td>
<td>aluminium</td>
</tr>
<tr>
<td>Mixing ratio by weight resin/hardener</td>
<td>100:20</td>
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<tr>
<td>Density of the mixture (200g preparation)</td>
<td>1.6 g/cm³</td>
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<tr>
<td>Viscosity of the mixture</td>
<td>880,000 mPa·s</td>
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<tr>
<td>Consumption at a coating thickness of 1.0 mm</td>
<td>1.60 kg/m²</td>
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<tr>
<td>Maximum layer thickness for each working step</td>
<td>10 mm</td>
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<tr>
<td>Pot life at +20°C (+68°F) 200g preparation</td>
<td>60 min.</td>
</tr>
<tr>
<td>Curing time mechanical loads</td>
<td>16 h</td>
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<tr>
<td>Final strength after</td>
<td>24 h</td>
</tr>
</tbody>
</table>

Mean strength at +25°C (+77°F) acc. to DIN 53821-83 ASTM D 1002:

- Pressure: 61 Mpa
- Bending: 37 Mpa
- E-Modul: 1,500 - 2,000 Mpa
- Shore D (ASTM D 1708): 84
- Shrinkage: 0.02 %
- Thermoforcing resistance: +60 °C
- Temperature resistance: -35 to +120 °C
- ISSA-Code: 75.509.09/10
- IMPA-Code: 81 29 21/22

Information about surface pre-treatment and processing can be found in the manual.

Storage

Store WEICON Plastic Metal at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 18 months at temperatures from +18 to +25°C (Epoxy Resin Putty max. 3 years). Opened containers should be used within 6 months.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

- 10150005 WEICON F Epoxy Resin 0.5 kg
- 10150020 WEICON F Epoxy Resin 2.0 kg

Accessories:

- 10604025 Mould Release Agent Liquid F 1000, 250 ml
- 10604515 Mould Release Agent Wax F 500, 150 g
- 10850005 Glass Fibre Cloth Tape, 50 mm
- 10953001 Processing Spatula, short
- 10953003 Processing Spatula, long
- 11202400 Sealant and Adhesive Remover, 400 ml
- 11207400 Surface Cleaner, 400 ml
- 11450400 Mould Release Agent, 400 ml
- 11850200 Hand Protective Foam, 200 ml