



liquid
aluminium-filled
up to +220 °C (+428 °F) high temperature resistant

Temperature resistant and liquid epoxy resin system, specially for the industrial use. Non-corrosive, anti-magnetic, cures practically without shrinkage.

WEICON C is particularly suitable as an adhesive for large-scale applications, for pouring out moulds and for the production of fixing devices and tools (e.g. injection moulds). It can be used in the tool and mould making sector, as well as in many other industrial areas subjected to high thermal stress.

ISSA: 75.509.07/08
IMPA: 81 29 03/04

Technical data

Composition	Epoxy resin aluminiumfilled
Specific Properties	liquid, high-temp. resistant
Mixing ratio by weight % (Resin/Hardener)	100:8
Pot-life at +20 °C (200 g preparation)	60 Min.
Density of the mixture	1,62 g/cm ³
Viscosity of the mixture	25.000 mPa·s
Max. layer thickness per application	60 mm
Cure time mechanical loads	24 h
final hardness	48 h
Mean compressive strength (+25 °C) acc. to DIN 53281-83	140 MPa
Mean tensile strength (+25 °C) acc. to DIN 53281-83	25 MPa
Mean Flexural strength (+25 °C) acc. to DIN 53281-83	77 MPa
Mean strength E-Modul (+25 °C) acc. to DIN 53281-83	5.800 - 6.000 MPa
Shore D (+25 °C) acc. to DIN 53281-83	90
Shrinkage	0,01 %
Thermoforming resistance	130 °C
Colour	grey
Temperaturbeständigkeit*	-35 bis +220 °C

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

*To achieve a permanently high temperature resistance, we recommend to temper-harden after 48 hours as detailed below:

2 h at +40 °C, 2 h at +60 °C, 2 h at +80 °C, 2 h at +100 °C, finally 14 h at +120 °C

Storage

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 °C to +25 °C (Epoxy Resin Putty max. 3 years). Opened containers should be used within 6 months.

Note

Any product specifications and recommendations given herein must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Health and Safety

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.

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