

# WEICON CBC



**vibration resistant**  
**impact resistant**  
**break resistant**

Special epoxy resin system for the shimming and back filling of difficult to be aligned systems. It serves as a replacement for fittings and worn metal sheets and ensures the direct contact to foundation plates.

WEICON CBC has a low viscosity, flows well and is self-levelling. It has a pot life of 30 minutes and cures nearly shrink-free. It provides a permanent, high-static stability and exhibits great ageing qualities. The epoxy resin system adheres particularly well to steel and concrete. It has a good compressive strength and is resistant against oil, fuels and many chemicals. It is vibration resistant as well as temperature resistant.

Due to its extremely low shrinkage, machines and systems remain constant after the casting with WEICON CBC in their alignment.



## Technical Data

Base	Epoxy resin aluminium-filled
Specific Properties	liquid, impact resistant
Colour after curing	grey
Mixing ratio by weight resin/hardener	100:30
Density of the mixture (200g preparation)	1,5 g/cm <sup>3</sup>
Viscosity of the mixture	45.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,50 kg/m <sup>2</sup>
Pot life at +20°C (+68°F) 200g preparation	30 min.
Curing time mechanical loads	12 h
Final hardness after	24 h
Mean compressive strength (DIN EN ISO 604)	70 Mpa

### Note

The specifications and recommendations given in this technical data sheet 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 guarantee the continuously high quality of our products. 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.

Strength-E-Module (DIN EN ISO 527)	4.170 Mpa
Elongation at break (DIN EN ISO 527)	0,7 %
Impact strength (ISO 179-1/1eU)	3,7 kJ/m <sup>2</sup>
Shore D (ATSM D 1706)	80
Shrinkage	0,1 %
Tg after curing at room temperature	51,5 °C
Tg after tempering (at 120 °C)	77,1 °C
Temperature resistance	-40 to +160 °C
Resistivity	4,26 * 10 <sup>12</sup> Ωm
Thermal diffusivity (23 °C)	0,312 mm <sup>2</sup> /s
Thermal conductivity	0,49 W/m·K
Specific heat capacity	1,053 J/(g·K)
ISSA-Code	75.510.01
IMPA-Code	812955/56

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 +28°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](http://www.weicon.com)) must be observed.

### Available sizes:

10110030	WEICON CBC 3.0 kg
10110110	WEICON CBC 10.0 kg

### Accessories:

10953001	Processing Spatula,
10953003	Processing Spatula,
10953010	Stirrer Stainless Steel,
10953020	Contour Spatula Flexy,

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