



liquid  
 mineral-filled, extremely wear resistant  
 high temperature resistant from -35 °C up to +180 °C

WEICON Ceramic BL is liquid, brushable, filled with silicon carbide and zirconium silicate, temperature-resistant up to +180 °C and resistant to chemicals. It offers extreme wear protection and high abrasion resistance.

WEICON Ceramic BL is particularly suited for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides, funnels and pipes and for the repair of castings, valves and blower fans. The product can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

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 IMPA: 81 29 37/38/39/40

### Technical data

Composition	Epoxy resin mineral-filled
Specific Properties	liquid, extremely wear resistant
Mixing ratio by weight % (Resin/Hardener)	100:15
Pot-life at +20 °C (200 g preparation)	40 Min.
Density of the mixture	1,8 g/cm <sup>3</sup>
Viscosity of the mixture	6.000 mPa·s
Max. layer thickness per application	10 mm
Cure time mechanical loads	16 h
final hardness	24 h
Mean compressive strength (+25 °C) acc. to DIN 53281-83	85 MPa
Mean tensile strength (+25 °C) acc. to DIN 53281-83	22 MPa
Mean Flexural strength (+25 °C) acc. to DIN 53281-83	95 MPa
Mean strength E-Modul (+25 °C) acc. to DIN 53281-83	7.000 - 8.000 MPa
Shore D (+25 °C) acc. to DIN 53281-83	83
Shrinkage	0,02 %
Thermoforming resistance	80 °C
Colour	blue
Temperature resistance*	-35 - +180 °C

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

### 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](http://www.weicon.com)) must be observed.

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