



liquid  
steel-filled  
wear resistant

WEICON WR is suitable for areas where metal parts are subjected to strong wear due to friction, as repairs and recasting of shafts, for pouring out bearings and cutting and punching tools, for the production of casting and profile milling models as well as drawing moulds, for under pouring machines and foundations and as a wear-resistant under layer before the final coating with WEICON Ceramic BL.

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

ISSA: 75.509.15/16

IMPA: 81 29 47/48

### Technical data

Composition	Epoxy resin steel-filled
Specific Properties	liquid, wear resistant
Mixing ratio by weight % (Resin/Hardener)	100:15
Pot-life at +20 °C (200 g preparation)	45 Min.
Density of the mixture	2,3 g/cm <sup>3</sup>
Viscosity of the mixture	20.000 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	110 MPa
Mean tensile strength (+25 °C) acc. to DIN 53281-83	33 MPa
Mean Flexural strength (+25 °C) acc. to DIN 53281-83	80 MPa
Mean strength E-Modul (+25 °C) acc. to DIN 53281-83	5.000 - 5.500 MPa
Shore D (+25 °C) acc. to DIN 53281-83	90
Shrinkage	0,02 %
Thermoforming resistance	65 °C
Colour	black
Temperature resistance*	-35 bis +120 °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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