

WEICON WR2



pasty
mineral-filled,
wear-resistant, highly abrasion-resistant

WEICON WR2 is particularly suitable for areas where the processing of casting compounds is not possible such as for the repair of conveyors, guides and sliding ways. It can also be used to prevent wear on metal surfaces exposed to high abrasion and erosion and can serve as a wear-resistant underlayer before the final coating with WEICON Ceramic BL.

WEICON WR2 can be used in machine and system construction, in apparatus engineering and in many other industrial applications.

Technical Data

Base	Epoxy resin mineral-filled
Specific Properties	putty, wear resistant
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:25
Density of the mixture (200g preparation)	1,67 g/cm ³
Viscosity of the mixture	560.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,67 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	45 min.
Curing time mechanical loads	16 h
Final hardness after	24 h
Mean strength at +25°C (+77°F) acc. to DIN EN 1465/ASTM D 1002:	
Pressure	71 Mpa
Pull	29 Mpa
Bending	39 Mpa
E-Modul	2.500 - 3.000 Mpa
Shore D (ATSM D 1706)	82
Shrinkage	0,025 %

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.

Tg after curing at room temperature	53,5 Tg (°C)
Tg after tempering (at 120 °C)	58,9 Tg (°C)
Thermoforming resistance	+65 °C
Temperature resistance	-35 to +120 °C
Resistivity	1,81 · 10 ¹² Ωm
Thermal diffusivity (23 °C)	0,301 mm ² /s
Thermal conductivity	0,51 W/m·K
Specific heat capacity	0,702 J/(g·K)
ISSA-Code	75.509.17/18
IMPA-Code	812949/50

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) must be observed.

Available sizes:

10350002	WEICON WR2 0,2 kg
10350005	WEICON WR2 0.5 kg
10350020	WEICON WR2 2.0 kg

Accessories:

10850005	Glass Fibre Cloth Tape, 50 mm x 1 m
10953001	Processing Spatula, short
10953003	Processing Spatula, long
10953020	Contour Spatula Flexy,