

WEICON Ceramic W Epoxy Resin



**pasty
mineral-filled
extremely wear resistant**

WEICON Ceramic W is pasty, mineral-filled, temperature-resistant up to +150°C (briefly up to +260°C) and resistant to chemicals. It offers high wear protection and abrasion resistance.

WEICON Ceramic W has a non-sag property and can be spread with a spatula. It can be applied on vertical surfaces and even overhead.

WEICON Ceramic W is suited for the bonding or lining of aluminium oxide stones in mill construction, for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides and pipes and wherever darker products are not desired for optical reasons.

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

Viscosity of the mixture	600.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,59 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	120 min.
Curing time mechanical loads	24 h
Final strength after	48 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	140 Mpa
Bending	90 Mpa
E-Modul	4.500 - 5.000 Mpa
Shore D (ATSM D 1706)	85
Shrinkage	0,02 %
Thermoforming resistance	+150 °C
Temperature resistance	-35 to +200 briefly to +260 °C
ISSA-Code	75.509.26/27
IMPA-Code	81 29 41/42

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: 3 h at +50°C, 2 h at +90°C, 2 h at +130°C, finally 1 h at +170°C

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 +25°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:

10460005 WEICON Ceramic W Epoxy Resin 0.5 kg
10460020 WEICON Ceramic W Epoxy Resin 2.0 kg

Accessories:

10604025 Mould Release Agent Liquid F 1000, 250 ml
10604515 Mould Release Agent Wax P 500, 150 g
10850005 Glass Fibre Cloth Tape, 50 mm
10953001 Processing Spatula, short
10953003 Processing Spatula, long
11202400 Sealant and Adhesive Remover, 400 ml



Technical Data

Composition	Epoxy resin mineral-filled
Specific Properties	putty, extremely wear resistant
Colour after curing	white
Mixing ratio by weight resin/hardener	100:33
Density of the mixture (200g preparation)	1,59 g/cm ³

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.

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Technical Datasheet

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11207400	Surface Cleaner, 400 ml
11450400	Mould Release Agent, 400 ml
11850200	Hand Protective Foam, 200 ml

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