



pasty  
 mineral-filled  
 extremely wear resistant

WEICON Ceramic W is pasty, mineral-filled, temperature-resistant up to +150 °C (+302 °F) (briefly up to +260 °C/+500 °F) 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.

ISSA: 75.509.26/27

IMPA: 81 29 41/42

### Technical data

Composition	Epoxy resin mineral-filled
Specific Properties	putty, extremely wear resistant
Mixing ratio by weight % (Resin/Hardener)	100:33
Pot-life at +20 °C (200 g preparation)	120 Min.
Density of the mixture	1,59 g/cm <sup>3</sup>
Viscosity of the mixture	600.000 mPa·s
Max. layer thickness per application	10 mm
Cure time mechanical loads	16 h
final hardness	48 h
Mean compressive strength (+25 °C) acc. to DIN 53281-83	140 MPa
Mean tensile strength (+25 °C) acc. to DIN 53281-83	30 MPa
Mean Flexural strength (+25 °C) acc. to DIN 53281-83	90 MPa
Mean strength E-Modul (+25 °C) acc. to DIN 53281-83	7.500 - 8.000 MPa
Shore D (+25 °C) acc. to DIN 53281-83	85
Shrinkage	0,02 %
Thermoforming resistance	150 °C
Colour	white
Temperaturbeständigkeit*	-35 to +200 briefly +260 °C

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

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.

#### WEICON GmbH & Co. KG (Headquarter)

Königsberger Str. 255 · DE-48157 Münster  
 P.O. Box 84 60 · DE-48045 Münster  
 Germany

Tel. +49 (0) 251 / 93 22-0  
 Fax +49 (0) 251 / 93 22-244  
 Fax +49 (0) 251 / 93 22-233 Export  
[www.weicon.de](http://www.weicon.de) · [info@weicon.de](mailto:info@weicon.de)

#### WEICON Middle East L.L.C.

Jebel Ali Ind Area 3 · P.O. Box 118 216  
 Dubai · U.A.E

Phone +971 4 880 25 05  
 Fax +971 4 880 25 09  
 Mobile +971 50 545 99 83  
[www.weicon.ae](http://www.weicon.ae) · [info@weicon.ae](mailto:info@weicon.ae)

#### WEICON Inc.

20 Steckle Place · Unit 20  
 Kitchener · Ontario · N2E 2C3  
 Canada

Phone +1 519 896 5252  
 Fax +1 519 896 5254  
 Cell +1 519 590 5168  
[www.weicon.ca](http://www.weicon.ca) · [info@weicon.ca](mailto:info@weicon.ca)

#### WEICON Kimya Sanayi Tic. Ltd. Şti.

Yenibosna Mahallesi Yalçın Koreş Caddesi  
 Arifağa Sokak No: 29 Kat: 3  
 34530 Yenibosna – İstanbul Turkey  
[www.weicon.biz.tr](http://www.weicon.biz.tr) · [info@weicon.biz.tr](mailto:info@weicon.biz.tr)

#### WEICON Romania SRL

Str. Podului Nr.1  
 547176 Budiu Mic (Targu Mures)  
[www.weicon.com](http://www.weicon.com) · [office@weicon.com](mailto:office@weicon.com)