

WEICON Ceramic BL Epoxy Resin



Tg nach Aushärtung bei Raumtemperatur	51,9 Tg (°C)
Tg nach Tempern (bei 120 °C)	69,2 Tg (°C)
Thermoforming resistance	+95 °C
Temperature resistance	-35 to +180 °C
Resistivity	$5,75 \cdot 10^{11} \Omega\text{m}$
Thermal diffusivity (23°C)	0,344 mm ² /s
Thermal conductivity	0,56 W/m·K
Specific heat capacity	0,911 J/(g·K)
ISSA-Code	75.509.19/20
IMPA-Code	812937/38

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

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

WEICON Ceramic BL is liquid, brushable, filled with silicium 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.

Technical Data

Composition	Epoxy resin mineral-filled
Specific Properties	liquid, extremely wear resistant
Colour after curing	blue
Mixing ratio by weight resin/hardener	100:8
Density of the mixture (200g preparation)	1,8 g/cm ³
Viscosity of the mixture	25.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,80 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	55 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	120 Mpa
Bending	80 Mpa
E-Modul	7.000 - 8.000 Mpa
Shore D (ATSM D 1706)	93
Shrinkage	0,02 %

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.

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:

10400002	WEICON Ceramic BL Epoxy Resin 0,2 kg
10400005	WEICON Ceramic BL Epoxy Resin 0.5 kg
10400020	WEICON Ceramic BL Epoxy Resin 2.0 kg

Accessories:

10850005	Glass Fibre Cloth Tape, 50 mm x 1 m
10953001	Processing Spatula, short
10953003	Processing Spatula, long
10953010	Stirrer Stainless Steel,
10953020	Contour Spatula Flexy,

WEICON GmbH & Co. KG
(Headquarters)
Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com
www.weicon.com.ro

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz
www.weicon.cz

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es
www.weicon.es

WEICON Italia S.r.l.
Italy
phone (+39) 0102924871
info@weicon.it
www.weicon.it