

# WEICON HB 300

Create Date: 06.06.2016 - Page 1/1



pasty  
steel-filled  
high temperature resistant

WEICON Plastic Metal type HB 300 is pasty, steel-filled and high temperature resistant up to +200°C (+392°F) (briefly up to +280°C/+536°F). It is processed with a mixing ratio of 1:1.

WEICON HB 300 is also suitable for applications on vertical surfaces and can be used for the repair and bonding of cast and metal parts, for filling in blow holes, for repairing damage to containers, carriages and machine parts and for sealing pumps and pipes.

WEICON HB 300 can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

ISSA: 75.509.21  
IMPA: 81 29 51

### Technical data

Composition	Epoxy resin steel-filled
Specific Properties	putty, high-temp. resistant
Mixing ratio by weight % (Resin/Hardener)	100:100
Pot-life at +20 °C (200 g preparation)	30 Min.
Density of the mixture	2.34 g/cm <sup>3</sup>
Viscosity of the mixture	1.700.000 mPa·s
Max. layer thickness per application	20 mm
Cure time mechanical loads	12 h
final hardness	24 h
Mean compressive strength (+25°C) acc. to DIN 53281-83	100 MPa
Mean tensile strength (+25°C) acc. to DIN 53281-83	27 MPa
Mean Flexural strength (+25°C) acc. to DIN 53281-83	42 MPa
Mean strength E-Modul (+25°C) acc. to DIN 53281-83	9.500 - 10.000 MPa
Shore D (+25°C) acc. to DIN 53281-83	85
Shrinkage	0,015 %
Thermoforming resistance	120 °C
Colour	dark-grey
Temperature resistance*	-35 bis +200 kurz. bis +280 °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.



#### 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)