

# WEICON Casting Resin MS 1000



liquid  
unfilled  
low viscosity pure epoxy resin

WEICON MS 1000 Casting Resin is suitable for the most diverse applications, such as for casting electrical components, and can be blended by various fillers (in form of powder, fibres and fabric), e.g. for the production of highly filled backfilling compounds.

WEICON MS 1000 Casting Resin can be used in the electrical industry, in machine construction and in many other applications.

ISSA: 75.509.36

IMPA: 81 29 85

## Technical data

Composition	Epoxy resin unfilled
Specific Properties	liquid
Mixing ratio by weight % (Resin/Hardener)	100:20
Pot-life at +20 °C (200 g preparation)	20 Min.
Density of the mixture	1,1 g/cm <sup>3</sup>
Viscosity of the mixture	1.300 mPa·s
Max. layer thickness per application	10 mm
Cure time mechanical loads	24 h
final hardness	36 h
Mean compressive strength (+25 °C) acc. to DIN 53281-83	60 MPa
Mean tensile strength (+25 °C) acc. to DIN 53281-83	25 MPa
Mean Flexural strength (+25 °C) acc. to DIN 53281-83	285 MPa
Mean strength E-Modul (+25 °C) acc. to DIN 53281-83	17.000 - 18.000 MPa
Shore D (+25 °C) acc. to DIN 53281-83	65
Shrinkage	0,2 %
Thermoforming resistance	50 °C
Colour	transparent, slight inherent colour
Temperature resistance*	-35 bis +120 °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)