

WEICON A Epoxy Resin



**pasty
steel-filled
certified by DNV GL**

WEICON A has a DNV GL-certificate and is specially suitable for repair work in the marine industry. It can be used to remove corrosion damages and pitting on tanks, to repair pipes and castings as well as cracks on housings of machine parts.

Other applications include the production of models, moulds, tools and jigs. The epoxy resin system can be used in mechanical engineering, tool, model and mould making as well as in many other industrial areas.



Technical Data

Composition	Epoxy resin steel-filled
Specific Properties	pasty
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:10
Density of the mixture (200g preparation)	2,9 g/cm ³
Viscosity of the mixture	1.000.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,9 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	60 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	80 Mpa
Pull	21 Mpa
Bending	34 Mpa

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.

E-Modul	3.500 - 5.000 Mpa
Shore D (ATSM D 1706)	90
Shrinkage	0.015 %
Tg after curing at room temperature	60,9 Tg (°C)
Tg after tempering (at 120 °C)	78 Tg (°C)
Thermoforming resistance	+65 °C
Temperature resistance	-35 to +120 °C
Medium shear strength according to DIN EN 1465 at	
Steel sand blasted	11,6 MPa
Sandblasted stainless steel	11,6 MPa
Sand-blasted Aluminium	7,4 MPa
Galvanized steel	6,9 MPa
Resistivity	8,76 * 10 ¹¹ Ωm
Thermal diffusivity (23°C)	0,629 mm ² /s
Thermal conductivity	0,89 W/m·K
Specific heat capacity	0,413 J/(g·K)
ISSA-Code	75.509.01/02
IMPA-Code	812901/02

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

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:

10000005	WEICON A Epoxy Resin 0.5 kg
10000002	WEICON A Epoxy Resin 0,2 kg
10000020	WEICON A Epoxy Resin 2.0 kg

Accessories:

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

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