

WEICON WP Epoxy Resin



**pasty, high strength
ceramic-filled, extreme high resistance against abrasion and wear
residual elasticity and impact resistant**

WEICON WP is suitable for the protection of strongly used surfaces. The coating with Plastic-Metal WP provides a high resistance against abrasion and wear and is very resistant against chemicals.

It avoids metal loss and replaces previously applied wear-resistant alloys, ceramic tiles and rubber linings as well as welded metal coatings.

WEICON WP can be used for the regeneration of worn-out metal surfaces or as a wear-resistant coating. A particularly high level of protection is achieved, when the wear is caused by particles impacting sideways.



Technical Data

Composition	Epoxy resin ceramic-filled
Specific Properties	pasty, wear resistant, non-sag
Colour after curing	grey
Mixing ratio by weight resin/hardener	100:100
Density of the mixture (200g preparation)	2,5 g/cm ³
Viscosity of the mixture	900.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,50 kg/m ²

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.

Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	30 min.
Curing time mechanical loads	16 h
Final strength after	24 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	51 Mpa
Bending	35 Mpa
E-Modul	2.500 - 3.000 Mpa
Shore D (ATSM D 1706)	80
Shrinkage	0,02 %
Thermoforming resistance	+50 °C
Temperature resistance	-35 to +120 °C
IMPA-Code	81 29 57/58

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 +25°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:

10490020	WEICON WP Epoxy Resin 2.0 kg
10490100	WEICON WP Epoxy Resin 10.0 kg

Accessories:

10604025	Mould Release Agent Liquid F 1000, 250 ml
10604515	Mould Release Agent Wax P 500, 150 g
10850005	Glass Fibre Cloth Tape, 50 mm
10953001	Processing Spatula, short
10953003	Processing Spatula, long
11202400	Sealant and Adhesive Remover, 400 ml
11207400	Surface Cleaner, 400 ml
11450400	Mould Release Agent, 400 ml
11850200	Hand Protective Foam, 200 ml

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