

Epoxy Resin Putty



The kneadable universal repair compound

WEICON Epoxy Resin Putty is pasty (kneadable), mineral-filled, and temperature-resistant up to +200°C. It is processed with a mixing ratio of 1:1 and is machinable and overpaintable after curing.

The Putty adheres to metal, wood, glass, rubber, ceramics, concrete and most plastics. It is resistant to petrol, oil, ester, saltwater and most acids and lyes.

WEICON Epoxy Resin Putty is suited for the sealing of pipelines and tanks, the fastening of screws and hooks, the reconditioning and repair of castings, the rebuilding of shafts, slide bearings, pumps and housings, the renewal of defective threads, the production of templates and models and for repair works on aluminium, light metal and injection moulded parts.

It can be used in machine construction, tool construction, model and mould making, and in many other industrial applications.

Technical Data

Composition	Epoxy resin mineral-filled
Specific Properties	pasty, high temperature resistant
Colour after curing	green
Mixing ratio by weight resin/hardener	100:100
Density of the mixture (200g preparation)	2,0 g/cm ³
Consumption at a coating thickness of 1,0 mm	2,00 kg/m ²
Maximum layer thickness for each working step	15 mm
Pot life at +20°C (+68°F) 200g preparation	30 min.
Curing time mechanical loads	2 h

Final strength after	3 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	80 Mpa
Pull	30 Mpa
Bending	56 Mpa
E-Modul	4.000 - 6.000 Mpa
Shore D (ATSM D 1706)	87
Shrinkage	0,005 %
Thermoforming resistance	+95 °C
Temperature resistance	-35 to +200 °C
ISSA-Code	75.509.37/38/39
IMPA-Code	81 29 52/53/54

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

Surface pre-treatment

Degrease and clean surface to be treated, roughen if necessary.

Processing

Mix resin and hardener in a ratio of 1:1 and knead thoroughly until mixture has turned into a uniform green. Then apply mastic onto the cleaned surface. On larger gaps, wire screen or glass fibre cloth tape may be recommended to bridge the gap. The hardened material can be machined (drilled, filed, tapped) and painted without any pre-treatment.

Storage

When kept at a constant room temperature of about +20°C and unopened in dry conditions, WEICON Epoxy Resin Putty will keep for at least 24 months. Avoid direct sunlight.

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:

10500100	Epoxy Resin Putty 100 g
10500400	Epoxy Resin Putty 400 g
10500800	Epoxy Resin Putty 800 g

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
11202400	Sealant and Adhesive Remover, 400 ml
11207400	Surface Cleaner, 400 ml

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.

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