

Epoxy Resin Putty



Kneadable Universal Repair Compound

Epoxy Resin Putty is a putty, mineral-filled, and temperature-resistant up to +200°C (+392°F). It is processed with a mixing ratio of 1:1 and is machinable and overpaintable after curing.

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

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

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|---|-----------------------------------|
| Base | 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 | 20 mm |
| Pot life at +20°C (+68°F) 200g preparation | 20 min. |
| Curing time mechanical loads | 2 h |
| Final hardness after | 5 h |
| Mean strength at +25°C (+77°F) acc. to DIN EN 1465/ASTM D 1002: | |
| Pressure | 80 Mpa |
| Pull | 19 Mpa |
| Bending | 56 Mpa |
| E-Modul | 1.200 - 1.600 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.

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|--------------------------------|---------------------------------|
| Shore hardness D (ATSM D 1706) | 85±3 |
| Shrinkage | 0,06 % |
| Thermoforming resistance | +50 °C |
| Temperature resistance | (-31°F) -35 to (+392°F) +200 °C |
| ISSA-Code | 75.509.37/38/39 |
| IMPA-Code | 812952/53/54 |

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 (+68°F) +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:

| | |
|-------------|-------------------------|
| 10500100-35 | Epoxy Resin Putty 100 g |
| 10500400-35 | Epoxy Resin Putty 400 g |
| 10500800-35 | Epoxy Resin Putty 800 g |