

技术参数表

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环氧树脂腻子



万用修复腻子

WEICON环氧树脂腻子为可塑的膏状质地，由矿物质填充，耐+200℃高温。按1:1比例混合，固化后可机械加工及上漆。该产品能粘附于金属、木材、玻璃、橡胶、陶瓷、水泥及大多数的塑料。它能够耐柴油、油脂、酯、盐水及大多数的酸和碱。

环氧树脂腻子可以密封管道和水槽，固定螺钉与挂钩，维修及修复铸件，加工轴、滑动轴承、泵和壳体，修补螺纹缺陷，生产模板和模型，以及修复铝、轻金属和注塑制件。

该产品还能够应用于机械制造、工具制造、模具和模型制造及其他诸多行业领域。该产品还能够应用于机械制造、工具制造、模具和模型制造及其他诸多行业领域。

技术参数

成分	环氧树脂矿物质填充
固化后的颜色	绿色
树脂与固化剂的重量混合比例	100:100
200g混合物的密度	2,0 g/cm ³
涂层厚度为1.0 mm时的消耗量	2,00 kg/m ²
每道工序的最大涂层厚度	15 mm
温度为+20°C、混合物重量为200g时的可操作时间	30 分钟
达到机械负载所需时间	2 h
达到最终固化所需时间	3 h
依据 DIN 53281-83/ASTM D 1002，在+25°C 温度下，平均强度为:	
压力	80 Mpa
拉伸	30 Mpa
折弯	56 Mpa

提示

本资料中列出的所有产品，其参数和建议是在实验室的测试结果及经验总结，不得被视为对产品特性的保证。由于每一个用的实际应用情况并不在我们的认知、控制及责任范围内，我们对这些信息并不承担任何义务。我们保证我们的产品符合并遵守我们销售条款中承诺的高品质、无瑕疵的要求。我们建议用户通过自行试验来论证其希望选用的产品是否完全符合预期。因用户未遵照指定的操作方法使用产品而造成损失的情况，用户将独自承担全部责任。

弹性模量	4.000 - 6.000 Mpa
邵氏硬度D(ATSM D 1706)	87
收缩率	0,005 %
热变形温度	+95 °C
耐温性	-35 至 +200 °C
ISSA 编码	75.509.37/38/39
IMPA 编码	81 29 52/53/54

表面预处理

待粘接的物体表面需清洁无油脂，必要时需做粗糙处理。

操作

将树脂与固化剂按照1:1的比例揉捏，直到混合物呈均匀的绿色为止。将混合后的腻子按压到清洁的待粘接表面。若遇到中空的部分，可使用玻璃纤维胶带缠绕。固化后的腻子可以机械加工（钻孔、研磨、切削），且无需预处理即可涂漆。

储藏

WEICON环氧树脂腻子需在恒定约+20°C室温、干燥的环境下存放。未拆封的包装从发货日期起计算可至少存放24个月。避免阳光照射。

安全与健康

使用WEICON产品时，需注意产品的物理性、安全性、毒理性、生态性的详细参数以及我们EG材料安全数据表（www.weicon.com）的具体信息。

包装

10500100	环氧树脂腻子 100 g
10500400	环氧树脂腻子 400 g
10500800	环氧树脂腻子 800 g

产品配件

10850005	玻璃纤维布胶带, 50 mm
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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/cm³
Consumption at a coating thickness of 1,0 mm	2,00 kg/m²
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

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.

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

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