

WEICON WR型



液态质地
钢填充
耐磨损

WEICON 钢铁修补剂 WR 适用于经常受到摩擦损耗的金属部件，它能够修复与浇铸轴与注塑设备，制造铸件、仿形铣削模型和拉丝模，浇铸机械和地基等。在使用该产品作为防护涂层后，还可以配合用WEICON 耐磨型陶瓷修补剂 BL型作为最终涂层，防护效果更佳。

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	环氧树脂钢填充
特性	液态，耐磨损
固化后的颜色	黑色
树脂与固化剂的重量混合比例	100:15
200g混合物的密度	2,3 g/cm ³
混合物粘度	20.000 mPa·s
涂层厚度为1.0 mm时的消耗量	2,30 kg/m ²
每道工序的最大涂层厚度	10 mm
温度为+20°C、混合物重量为200g时的可操作时间	45 分钟
达到机械负载所需时间	16 h
达到最终固化所需时间	24 h

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。

依据 DIN 53281-83/ASTM D 1002，在+25°C 温度下，平均强度为:

压力	110 Mpa
折弯	80 Mpa
弹性模量	5.000 - 5.500 Mpa
邵氏硬度D(ATSM D 1706)	90
收缩率	0,02 %
热变形温度	+65 °C
耐温性	-35 至 +120 °C
ISSA 编码	75.509.15/16
IMPA 编码	81 29 47/48

表面预处理及产品操作信息详见使用说明。

储藏

WEICON 塑钢胶需在室温、干燥的环境下存放。未拆封的包装从发货日期起计算，在+18至+28°C室温环境中能至少存放 24个月。拆封后的包装需在6个月内使用。

安全与健康

使用WEICON产品时，需注意产品的物理性、安全性、毒性、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

10300005	WEICON WR型 0,5 kg
10300020	WEICON WR型 2,0 kg

产品配件

10850005	玻璃纤维布胶带, 50 mm
10953001	处理抹刀, 短
10953003	处理抹刀, 长
10953010	不锈钢搅拌棒,

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WEICON WR Epoxy Resin



liquid
steel-filled
wear resistant

WEICON WR is suitable for areas where metal parts are subjected to strong wear due to friction, as repairs and recasting of shafts, for pouring out bearings and cutting and punching tools, for the production of casting and profile milling models as well as drawing moulds, for under pouring machines and foundations and as a wear-resistant under layer before the final coating with WEICON Ceramic BL.

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



Technical Data

Composition	Epoxy resin steel-filled
Specific Properties	liquid, wear resistant
Colour after curing	black
Mixing ratio by weight resin/hardener	100:15
Density of the mixture (200g preparation)	2,3 g/cm ³
Viscosity of the mixture	20.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,30 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	45 min.

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.

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	110 Mpa
Bending	80 Mpa
E-Modul	5.000 - 5.500 Mpa
Shore D (ATSM D 1706)	90
Shrinkage	0,02 %
Thermoforming resistance	+65 °C
Temperature resistance	-35 to +120 °C
ISSA-Code	75.509.15/16
IMPA-Code	81 29 47/48

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:

10300005	WEICON WR Epoxy Resin 0.5 kg
10300020	WEICON WR Epoxy Resin 2.0 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
10953010	Stirrer Stainless Steel,
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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