

## WEICON WR2型



膏状  
矿物质填充  
耐磨损

WEICON 钢铁修补剂WR2型特别适用于无法用浇铸方式进行加工的工况，例如传送带、导轨及滑轨的修复。它能够用于易受腐蚀与侵蚀的金属表面，作为防腐保护。此外，该产品亦可作为WEICON 耐磨型陶瓷修补剂 BL型的底涂使用。

该产品还能够应用于机械制造、工具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
特性	膏状，耐磨损
固化后的颜色	深灰色
树脂与固化剂的重量混合比例	100:25
200g混合物的密度	1,67 g/cm <sup>3</sup>
混合物粘度	560.000 mPa·s
涂层厚度为1.0 mm时的消耗量	1,67 kg/m <sup>2</sup>
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
依据 DIN 53281-83/ASTM D 1002，在+25°C 温度下，平均强度为:	
压力	71 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。

折弯	39 Mpa
弹性模量	2.500 - 3.000 Mpa
邵氏硬度D(ATSM D 1706)	82
收缩率	0,025 %
热变形温度	+65 °C
耐温性	-35 至 +120 °C
ISSA 编码	75.509.17/18
IMPA 编码	81 29 49/50

表面预处理及产品操作信息详见使用说明。

## 储藏

WEICON 塑料胶需在室温、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

10350005 WEICON WR2型 0,5 kg  
10350020 WEICON WR2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

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# WEICON WR2 Epoxy Resin



**pasty  
mineral-filled,  
wear-resistant, highly abrasion-resistant**

WEICON WR2 is particularly suitable for areas where the processing of casting compounds is not possible such as for the repair of conveyors, guides and sliding ways. It can also be used to prevent wear on metal surfaces exposed to high abrasion and erosion and can serve as a wear-resistant underlayer before the final coating with WEICON Ceramic BL.

WEICON WR2 can be used in machine and system construction, in apparatus engineering and in many other industrial applications.



## Technical Data

Composition	Epoxy resin mineral-filled
Specific Properties	putty, wear resistant
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:25
Density of the mixture (200g preparation)	1,67 g/cm <sup>3</sup>
Viscosity of the mixture	560.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,67 kg/m <sup>2</sup>
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	45 min.
Curing time mechanical loads	16 h
Final strength after	24 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.

Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:

Pressure	71 Mpa
Bending	39 Mpa
E-Modul	2.500 - 3.000 Mpa
Shore D (ATSM D 1706)	82
Shrinkage	0,025 %
Thermoforming resistance	+65 °C
Temperature resistance	-35 to +120 °C
ISSA-Code	75.509.17/18
IMPA-Code	81 29 49/50

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](http://www.weicon.com)) must be observed.

### Available sizes:

10350005	WEICON WR2 Epoxy Resin 0.5 kg
10350020	WEICON WR2 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
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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