

WEICON 小颗粒耐磨型修补剂WP型



膏状, 陶瓷填充
使用时不滴漏, 极耐磨损, 高强度
具残余弹性, 抗冲击

WEICON 小颗粒耐磨修补剂WP型适用于要求极高的表面材质。该产品作为表面涂层, 具备高效的防磨损能力与突出的耐化学性, 为物体表面提供最佳保护。

该产品能防止金属流失, 可取代传统的耐磨合金、瓷砖、橡胶衬砌和烧焊金属涂层。

小颗粒耐磨修补剂WP型不仅能够修复已磨损的金属表面, 亦可作为防磨损涂层为尚且完好的物体表面提供耐磨保护。该产品成分里的特殊颗粒在遇到侧方冲击时, 其耐磨功效最佳。



技术参数

成分	环氧树脂陶瓷填充
特性	膏状, 不滴垂, 耐磨损
固化后的颜色	灰色
树脂与固化剂的重量混合比例	100:100
200g混合物的密度	2,5 g/cm ³
混合物粘度	900.000 mPa·s
涂层厚度为1.0 mm时的消耗量	2,50 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	30 分钟
达到机械负载所需时间	16 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。

达到最终固化所需时间	96 h
依据 DIN 53281-83/ASTM D 1002, 在+25°C 温度下, 平均强度为:	
压力	51 Mpa
折弯	35 Mpa
弹性模量	2.500 - 3.000 Mpa
邵氏硬度D(ATSM D 1706)	80
收缩率	0,02 %
热变形温度	+50 °C
耐温性	-35 至 +120 °C
IMPA 编码	81 29 57/58

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

10490020 WEICON 小颗粒耐磨型修补剂WP型 2,0 kg
10490100 WEICON 小颗粒耐磨型修补剂WP型 10,0 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 WP Epoxy Resin



**pasty, high strength
ceramic-filled, extreme high resistance against abrasion and wear
residual elasticity and impact resistant**

WEICON WP is suitable for the protection of strongly used surfaces. The coating with Plastic-Metal WP provides a high resistance against abrasion and wear and is very resistant against chemicals.

It avoids metal loss and replaces previously applied wear-resistant alloys, ceramic tiles and rubber linings as well as welded metal coatings.

WEICON WP can be used for the regeneration of worn-out metal surfaces or as a wear-resistant coating. A particularly high level of protection is achieved, when the wear is caused by particles impacting sideways.



Technical Data

Composition	Epoxy resin ceramic-filled
Specific Properties	pasty, wear resistant, non-sag
Colour after curing	grey
Mixing ratio by weight resin/hardener	100:100
Density of the mixture (200g preparation)	2,5 g/cm ³
Viscosity of the mixture	900.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,50 kg/m ²

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.

Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	30 min.
Curing time mechanical loads	16 h
Final strength after	96 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	51 Mpa
Bending	35 Mpa
E-Modul	2.500 - 3.000 Mpa
Shore D (ATSM D 1706)	80
Shrinkage	0,02 %
Thermoforming resistance	+50 °C
Temperature resistance	-35 to +120 °C
IMPA-Code	81 29 57/58

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:

10490020	WEICON WP Epoxy Resin 2.0 kg
10490100	WEICON WP Epoxy Resin 10.0 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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