

技术参数表

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WEICON 耐磨型陶瓷修补剂BL型



液体, 矿物质填充
极耐磨损
耐高温至+180°C

WEICON耐磨型陶瓷修补剂BL是一款液态质地、可涂刷的产品, 由碳化硅和硅酸锆填充。它能够耐化学介质, 同时具备突出的防磨损性能。

WEICON耐磨型陶瓷修补剂BL特别适用于衬砌高应力泵壳体, 作为滑动轴承、滑块、漏斗和管道的保护, 以及铸件、阀门和鼓风机的修复。

该产品能够用于机械、仪器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	液态, 极耐磨
固化后的颜色	蓝色
树脂与固化剂的重量混合比例	100:15
200g混合物的密度	1,8 g/cm ³
混合物粘度	6.000 mPa·s
涂层厚度为1.0 mm时的消耗量	1,80 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	40 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	85 Mpa
折弯	95 Mpa
弹性模量	7.000 - 8.000 Mpa
邵氏硬度D(ATSM D 1706)	83
收缩率	0,02 %
热变形温度	+80 °C
耐温性	-35 至 +180 °C
ISSA 编码	75.509.19/20
IMPA 编码	81 29 37/38

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

10400005 WEICON 耐磨型陶瓷修补剂BL型 0,5 kg
10400020 WEICON 耐磨型陶瓷修补剂BL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 Ceramic BL Epoxy Resin



liquid
mineral-filled, extremely wear resistant
high temperature resistant from -35°C up to +180°C

WEICON Ceramic BL is liquid, brushable, filled with silicon carbide and zirconium silicate, temperature-resistant up to +180°C and resistant to chemicals. It offers extreme wear protection and high abrasion resistance.

WEICON Ceramic BL is particularly suited for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides, funnels and pipes and for the repair of castings, valves and blower fans. The product 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	liquid, extremely wear resistant
Colour after curing	blue
Mixing ratio by weight resin/hardener	100:15
Density of the mixture (200g preparation)	1,8 g/cm³
Viscosity of the mixture	6.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,80 kg/m²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	40 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	85 Mpa
Bending	95 Mpa
E-Modul	7.000 - 8.000 Mpa
Shore D (ATSM D 1706)	83
Shrinkage	0,02 %
Thermoforming resistance	+80 °C
Temperature resistance	-35 to +180 °C
ISSA-Code	75.509.19/20
IMPA-Code	81 29 37/38

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:

10400005	WEICON Ceramic BL Epoxy Resin 0.5 kg
10400020	WEICON Ceramic BL 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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