

## WEICON HP



0,2 kg



0,5 kg



2,0 kg

膏状，矿物质填充，耐冲击，可在水下及潮湿表面固化

WEICON HP 是一款慢速固化的双组份环氧树脂，它特别耐冲击，残余弹性高，极耐磨损。

因其极高的断裂强度和膏状质地，该产品可作为各种高磨损设备的保护涂层用于各个维修领域。

该产品能够在水下或潮湿表面固化，对各种材料的附着力极好。

## 技术参数

基础成分	环氧树脂矿物质填充
特性	膏状，耐磨损
固化后的颜色	白色
树脂与固化剂的重量混合比例	100:83
200g混合物的密度	1,48 g/cm <sup>3</sup>
混合物粘度	550.000 mPa·s
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
达到初始强度所需时间(室温下)	16 h
达到最终强度所需时间	48 h
拉伸强度	21 Mpa
断裂延伸率 ( DIN EN ISO 527 )	6 %
抗冲击强度 ( ISO 179-1/1eU )	20,6 kJ/m <sup>2</sup>
压力	65 Mpa
拉伸	21 Mpa
折弯	50 Mpa
弹性模量	1.400 - 2.000 Mpa
邵氏硬度D(ATSM D 1706)	76
线性收缩率	0,02 %
在室温下固化后的玻璃转换温度	64,2 °C
120 °C回火处理后的玻璃转换温度	87,3 °C
热变形温度	+80 °C

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。

耐温性	-35 至 +160°C °C
TGA降解温度 ( 初始温度 )	+ 208 °C
电阻率	5,83 · 10 <sup>11</sup> Ωm
热扩散率 (23 °C)	0,260 mm <sup>2</sup> /s
热传导率	0,38 W/m·K
比热容	1,060 J/(g·K)

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 36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

10390002	WEICON HP 0,2 kg
10390005	WEICON HP 0,5 kg
10390020	WEICON HP 2,0 kg

## 产品配件

10953001	处理抹刀,
10953003	处理抹刀,
10953020	多功能刮铲 Flexy,

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# WEICON HP Epoxy Resin



Tensile strength	21 MPa
Flexural strength	50 MPa
Elastic modulus	1,400 - 2,000 MPa
Shore D	76
Impact strength ISO 179-1/1eU	20.6 kJ / m <sup>2</sup>
Elongation at break DIN EN ISO 527	6 %
Temperature resistance	-35 bis +160°C
Thermoforming resistance ISO 75	+80°C
Decomposition temperature TGA/Onset-Temp.	+208°C
Shrinkage	0,02 %

Information about surface pre-treatment and processing can be found in the manual.

### Storage

Store WEICON HP at room temperature (+20°C) in a dry place. Unopened containers can be stored at temperatures from +18 to +28°C for at least 24 months as of the delivery date.

### 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:

10390005	HP 0.5 kg
10390020	HP 2.0 kg

### Accessories:

10953001	Processing Spatula, short
10953003	Processing Spatula, long
10953020	Contour Spatula Flexy

### Pasty, mineral-filled, impact-resistant

WEICON HP is a practically shrink-free 2 - component epoxy resin with extremely high impact resistance and high abrasion resistance. After curing, the material has a residual elasticity.

The pasty epoxy resin system can be used as a high-performance solution especially for structural adhesive bondings. Due to its high elongation at break, WEICON HP can also be used for repairs on strongly vibrating machines, as wear protection for slide bearings, chutes and pipes as well as for lining heavily stressed pump housings.

The adhesive can be used universally on nearly all surfaces. Its pasty texture makes it non-drip and spreadable. That way, it can also be used on vertical surfaces and even for overhead applications.

WEICON HP can be used in machine construction and systems engineering, in apparatus engineering as well as in many other industrial sectors.

### Technical Data

Base	epoxy resin mineral-filled
Colour	white
Specific properties	pasty, wear-resistant
Mixing ratio by weight (resin/hardener)	100:83
Pot life at +20°C (200g preparation)	30 min.
Density of the mixture	1.4 g/cm <sup>3</sup>
Viscosity of the mixture	550,000 mPa·s
Maximum layer thickness for each working step	10 mm
Capable of bearing mechanical loads after	16 h
Final strength after	48 h
Average strength values at +25°C acc. to DIN 53281-8	
Compressive strength	65 Mpa

#### 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.