

WEICON 耐高温钢铁修补剂HB300型



膏状
钢填充
耐高温

WEICON 耐高温钢铁修补剂 HB 300 是一款钢填充的膏状体，耐 +200°C 高温（可短暂达到 280°C）。该产品按 1:1 比例混合使用。

耐高温钢铁修补剂 HB 300 型特别适用于垂直表面和铸件及金属部件的修复和粘接、孔隙的填充、容器、车身、机器部件的修复以及泵和管道的密封。

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	环氧树脂钢填充
特性	膏状, 耐高温
固化后的颜色	深灰色
树脂与固化剂的重量混合比例	100:100
200g混合物的密度	2,34 g/cm ³
混合物粘度	1.700.000 mPa·s
涂层厚度为 1.0 mm 时的消耗量	2,34 kg/m ²
每道工序的最大涂层厚度	20 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	12 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	100 Mpa
折弯	42 Mpa
弹性模量	9.500 - 10.000 Mpa
邵氏硬度 D(ATSM D 1706)	85
收缩率	0,015 %
热变形温度	+120 °C
耐高温性	-35至+200, 短时可达+280 °C
ISSA 编码	75.509.21
IMPA 编码	81 29 51

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

10450010 WEICON 耐高温钢铁修补剂 HB300 型 1,0 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

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。

WEICON GmbH & Co. KG
(Headquarters)
Germany
phone +49 (0) 251 9322
0
info@weicon.de

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709
0088
info@weicon.co.za

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Czech Republic
s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weiconcz.cz

WEICON Kimya Sanayi Tic. Ltd.
Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730
763
office@weicon.com

WEICON HB 300 Epoxy Resin



pasty
steel-filled
high temperature resistant

WEICON Plastic Metal type HB 300 is pasty, steel-filled and high temperature resistant up to +200°C (briefly up to +280°C). It is processed with a mixing ratio of 1:1.

WEICON HB 300 is also suitable for applications on vertical surfaces and can be used for the repair and bonding of cast and metal parts, for filling in blow holes, for repairing damage to containers, carriages and machine parts and for sealing pumps and pipes.

WEICON HB 300 can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.



Technical Data

Composition	Epoxy resin steel-filled
Specific Properties	putty, high-temp. resistant
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:100
Density of the mixture (200g preparation)	2,34 g/cm ³
Viscosity of the mixture	1.700.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,34 kg/m ²
Maximum layer thickness for each working step	20 mm
Pot life at +20°C (+68°F) 200g preparation	30 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	12 h
Final strength after	24 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	100 Mpa
Bending	42 Mpa
E-Modul	9.500 - 10.000 Mpa
Shore D (ATSM D 1706)	85
Shrinkage	0,015 %
Thermoforming resistance	+120 °C
Temperature resistance	-35 to +200 briefly to +280 °C
ISSA-Code	75.509.21
IMPA-Code	81 29 51

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:

10450010 WEICON HB 300 Epoxy Resin 1.0 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

WEICON GmbH & Co. KG
(Headquarters)
Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weiconcz.cz

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es