

WEICON C型



液态质地
铝填充
耐高温至+220°C

该产品是一款液态质地、耐高温的环氧树脂。不腐蚀，抗磁，固化后几乎无收缩。

WEICON C尤其适用于大面积应用，如模具的灌注和固定装置与工具的生产。它能够用于工具与模具制造及其他对产品的耐高温性能有较高要求的诸多行业领域。



技术参数

成分	环氧树脂铝填充
特性	液态，耐高温
固化后的颜色	灰色
树脂与固化剂的重量混合比例	100:8
200g混合物的密度	1,62 g/cm ³
混合物粘度	25.000 mPa·s
涂层厚度为1.0 mm时的消耗量	1,62 kg/m ²
每道工序的最大涂层厚度	60 mm
温度为+20°C、混合物重量为200g时的可操作时间	60 分钟
达到机械负载所需时间	24 h
达到最终固化所需时间	48 h
依据 DIN 53281-83/ASTM D 1002, 在+25°C 温度下, 平均强度为:	
压力	140 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	77 Mpa
弹性模量	5.800 - 6.000 Mpa
邵氏硬度D(ATSM D 1706)	90
收缩率	0,01 %
热变形温度	+130 °C
耐温性	-35 至 +220* °C
ISSA 编码	75.509.07/08
IMPA 编码	81 29 03/04

您可以在使用说明指南中找到表面处理及操作方法。

* 为达到长效耐高温，需在涂胶48小时后依如下程序对产品进行回火处理：
+40°C回火2小时，+60°C回火2小时，+80°C回火2小时，+100°C回火2小时，+120°C回火14小时

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

10100005	WEICON C型 0,5 kg
10100020	WEICON C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,

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 C Epoxy Resin



**liquid
aluminium-filled
up to +220°C (+428°F) high temperature resistant**

Temperature resistant and liquid epoxy resin system, specially for the industrial use. Non-corrosive, anti-magnetic, cures practically without shrinkage.

WEICON C is particularly suitable as an adhesive for large-scale applications, for pouring out moulds and for the production of fixing devices and tools (e.g. injection moulds). It can be used in the tool and mould making sector, as well as in many other industrial areas subjected to high thermal stress.



Technical Data

Composition	Epoxy resin aluminium-filled
Specific Properties	liquid, high temp. resistant
Colour after curing	grey
Mixing ratio by weight resin/hardener	100:8
Density of the mixture (200g preparation)	1,62 g/cm ³
Viscosity of the mixture	25.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,62 kg/m ²
Maximum layer thickness for each working step	60 mm
Pot life at +20°C (+68°F) 200g preparation	60 min.
Curing time mechanical loads	24 h
Final strength after	48 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	140 Mpa
Bending	77 Mpa
E-Modul	5.800 - 6.000 Mpa
Shore D (ATSM D 1706)	90
Shrinkage	0,01 %
Thermoforming resistance	+130 °C
Temperature resistance	-35 to +220° °C
ISSA-Code	75.509.07/08
IMPA-Code	81 29 03/04

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

*To achieve a permanently high temperature resistance, we recommend to temper-harden after 48 hours as detailed below: 2 h at +40°C, 2 h at +60°C, 2 h at +80°C, 2 h at +100°C, finally 14 h at +120°C

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:

10100005	WEICON C Epoxy Resin 0.5 kg
10100020	WEICON C 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

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

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United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

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Canada
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Turkey
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info@weicon.com.tr
www.weicon.com.tr

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Romania
phone +40 (0) 3 65 730 763
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South Africa
phone +27 (0) 21 709 0088
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phone (+65) 6710 7671
info@weicon.com.sg

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Czech Republic
phone +42 (0) 417 533 013
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phone +34 (0) 914 7997 34
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