

快速金属粘合剂



高金属含量，膏状，可填充缝隙，具剩余弹性
可操作时间极短，固化迅速

快速金属粘合剂是大缝隙填充的最佳选择。它适用于粗糙的物体表面，可填充裂缝、孔隙及不平整的表面。

快速金属粘合剂能够用于多种材料，如金属、塑料、纤维增强复合材料、陶瓷、玻璃、石材和木材等。

技术参数

基础成分	环氧树脂金属填充
质地	膏状, 填充型
颜色	灰色
重量混合比例 (树脂/固化剂)	1:1
混合物密度	1,8 g/cm ³
温度为+20°C时的混合物密度	300.000 mPa·s
最大粘接缝隙	4 mm
操作温度	+10 至 +30 °C
固化温度	+6 至 +40 °C
温度为+20°C、混合物重量为10g时的可操作时间	3 -4 分钟
达到初始强度 (35%强度) 所需时间	40 分钟
达到机械强度 (50%强度) 所需时间	2 h
达到最终强度 (100%强度) 所需时间	24 h
依据 DIN EN 1465, 纯环氧树脂的平均强度为	
压力	10 Mpa
拉伸	24 Mpa
折弯	58 Mpa
弹性模量	4.000 - 4.500 Mpa
邵氏硬度 D	70
依据 DIN EN 1465, 平均拉伸剪切强度为	
钢质表面 喷砂处理	20 N/mm ²
铝质表面 喷砂处理	19 N/mm ²

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、无污染的要求。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。

硬质PVC表面 粗糙处理	11 N/mm ²
线性收缩率	0,3 %
耐温性	-50 至 +145 °C
热扩散率 (23 °C)	0,286 mm ² /s
热传导率	0,51 W/m·K
比热容	0,904 J/(g·K)
电阻率	4,57 · 10 ¹² Ωm
ISSA 编码	75.629.51
IMPA 编码	812981

表面预处理

为确保粘接效果，待粘接的物体表面需干燥、清洁（可使用 WEICON 表面清洁剂进行清洁与去脂）。

操作

直接将快速金属粘合剂挤出胶瓶即可使用。最初挤出的数厘米胶水应弃置。将挤出的胶水均匀搅拌，快速涂抹在待粘接的物体表面，随后即刻进行粘接。

储藏

在室内恒温+20°C、干燥且未开封的情况下，WEICON 环氧树脂可存放至少18个月。避免阳光直射。未遵循说明书指示，储藏期将缩短至6个月。环氧树脂很容易在低于5°C情况下结晶。温度大范围变化会加重结晶，冬季运输过程中经常出现这种状况。尽管这些影响可以通过加热产品至最高50°C（禁止明火）来缓解，但这对产品的操作、固化和技术特性仍会产生负面影响。WEICON 环氧树脂粘合剂的基础树脂成分（双酚A和F）经过精心配比，能有效减少特殊环境中结晶现象的产生。

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

10551024 快速金属粘合剂 24 ml

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

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

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

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

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

WEICON Italia S.r.l.
Italy
phone (+39) 0102924871
info@weicon.it
www.weicon.it

Fast-Metal Minute Adhesive



**with a high solids content, pasty
very short pot life, fast-curing
gap-filling, residual elastic**

WEICON Fast-Metal Minute Adhesive is ideal for repairs and bondings with larger bonding gaps or bigger tolerances. The gap filling properties make it suitable for rough and poorly fitting surfaces but also to fill in cracks, cavities and unlevelled surfaces.

Fast-Metal Minute Adhesive can be used on numerous materials such as metal, plastic, fibre reinforced materials, ceramics, glass, stone and wood.

Technical Data

Base	Epoxy resin highly filled
Texture	pasty consistency, crack-filler
Colour	grey
Mixing ratio by weight (Resin / Hardener)	1:1
Density of the mixture	1,8 g/cm ³
Viscosity of the mixture at 20°C (+68°F)	300.000 mPa·s
Adhesive gap bridging up to max.	4 mm
Processing temperature	+10 to +30 °C
Curing temperature	+6 to +40 °C
Pot life at 20°C (+68°F) for 10ml material	3 -4 min.
Handling strength (35% strength) after	40 min.
Capable of bearing mechanical loads (50% strength) after	2 h
Final strength (100%) after	24 h
Medium strength of the pure epoxy resin according to DIN EN 1465	
Pressure	10 Mpa
Pull	24 Mpa
Bending	58 Mpa
E-Modul	4.000 - 4.500 Mpa
Shore hardness D	70

Medium shear strength according to DIN EN 1465 at	
Steel sand blasted	20 N/mm ²
Alu sandblasted	19 N/mm ²
PVC hard-roughened	11 N/mm ²
Linear shrinkage	0,3 %
Temperature resistance	-50 to +145 °C
Thermal diffusivity (23 °C)	0,286 mm ² /s
Thermal conductivity	0,51 W/m·K
Specific heat capacity	0,904 J/(g·K)
Resistivity	4,57 · 10 ¹² Ωm
ISSA-Code	75.629.51
IMPA-Code	812981

Surface pre-treatment

To ensure a perfect bond, the surfaces to be joined must be clean and dry (e.g., clean and degrease using WEICON Surface Cleaner).

Processing

Fast-Metal Minute Adhesive can be processed directly from the double cartridge. Reject the first centimetre of the dosed bead. Mix the product thoroughly. Apply adhesive mixture quickly to only one of the surfaces to be bonded. Join both surfaces immediately afterwards.

Storage

When kept at a constant room temperature of about +20°C and unopened in dry conditions, WEICON Epoxy Adhesives will keep for at least 18 months. Avoid direct sunlight. If these storage instructions are disregarded, the storage life will be reduced to 6 months. Epoxy resins are fundamentally liable to crystallise at temperatures of less than +5°C. This effect is accentuated by wide variations in temperature such as can frequently occur during transport in winter. This also has a negative effect on working qualities, curing and technical details, although these effects can be reversed by warming up to a maximum of +50°C (no naked flame). In the case of WEICON Epoxy Adhesives, careful selection and combination of the base resins (bisphenol A and F) ensures a reduction of crystallisation.

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:

10551024 Fast-Metal Minute Adhesive 24 ml

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.

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

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

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

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

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

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

WEICON Italia S.r.l.
Italy
phone (+39) 0102924871
info@weicon.it
www.weicon.it