

快速-活性粘合剂 透明款



透明粘接

由于该款工业胶的粘接强度极高，它能够取代传统的使用螺栓、轴销、铆钉等进行固定的连接方式。快速-活性粘合剂透明款质地十分粘稠，因而可以顺利地实现室内及室外垂直表面的粘接。

除此之外，快速-活性粘合剂透明款还能够粘接许多其他材质。无论是金属、塑料、水泥、大理石、天然或人工石材、陶瓷、搪瓷、石膏，还是中密度纤维板、木板、夹固板、纤维板、石膏板等，所有这些材质均能由该款粘合剂强效、持久地进行粘接。

快速-活性粘合剂透明款适用于各个工业领域，如干作业、室内装修、金属加工、容器/仪器制造、通风技术、展台搭建等。

该产品为膏状，其强度极高，耐老化、耐风化，同时具备良好的抗紫外线能力。它不含硅、异氰酸酯、卤素及溶剂。



技术参数

基础成分	单组份聚氧化丙烯
密度	1,06 g/cm ³
粘度	膏状
垂流 (依据 ASTM D 2202)	< 1 mm
操作温度	+5 至 +40 °C
固化方式	湿气固化
固化条件	+5至+40°C温度环境及30%至95%相对空气湿度
表干时间*	10 分钟
固化速度 (首24个小时)	2 -3 mm
体积变化(依据 DIN 52451)	-3 %
最大粘接缝隙	5 mm
最大缝隙宽度	25 mm
保存期限 (+5°C 至 +25°C)	12 个月
邵氏硬度 A (依据 DIN 53505 / ASTM D 2240) ± 5	40
断裂伸长率(依据 DIN 53504/ASTM D412)	300 %

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。

粘合剂抗拉强度	3,0 N/mm ²
平均拉伸剪切强度(依据 DIN EN 1465/ASTM D 1002)	2,0 N/mm ²
电阻率	0,9 x 10 ¹² Ohm/cm
断裂抗性(依据 DIN 53515/ASTM D 1002)	19 N/mm ²
形变极限	20 %
是否可涂漆 (湿涂)	nur "nass ins nass" spätestens innerhalb von 3 h
可燃性等级 (DIN 4102)	B 2
特定正向电阻	0,9 x 10 ¹² Ohm/cm
耐温性	-40至+90, 短时 (约2小时) 可达+120 °C

*50%空气湿度和+23°C环境温度下的测试结果

表面预处理

待粘接的物体表面需清洁、无油脂。大多数污垢 (如油、脂、粉尘、污渍等) 都能用WEICON表面清洁剂除去。针对严重污染的金属表面，我们推荐使用WEICON清洁喷射剂S；针对老化的油漆或胶水残留物，我们建议使用WEICON密封胶去除喷射剂。多数材料都能够很好地进行同材及异材粘接。针对少数特殊材料或极端工况，我们建议在涂胶之前先使用底漆进行预处理。详细说明请参见底漆选型表。使用机械方式对待粘接的表面进行预处理 (如研磨或喷砂)，能够大大提升粘接效果。

操作

使用方法

可使用带活塞杆的专业胶枪 (如WEICON压力胶枪特殊款) 或空压胶枪 (如WEICON空压胶枪) 进行打胶操作；亦可使用自动点胶机。

将待粘接部件进行粘合

为了达到最佳的浸润效果，涂胶后的待粘接部件需在胶水表面形成干膜前 (表干时间) 进行粘合操作。

储藏

在未开封且存放于正常环境 (23°C, 50%相对湿度) 的情况下，WEICON单组份弹性密封胶的保质期为12个月。

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

13608310-47 快速-活性粘合剂 透明款 310 ml

产品配件

13250000	胶瓶切刀, 310 ml
13250001	压力胶枪,
13250002	压力胶枪特殊款,
13250009	空压胶枪,
13955031	V型喷嘴,

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

Speed-Flex® Crystal MS-Polymer



Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	40
Elongation at break (DIN 53504/ASTM D 2240) ± 5	300 %
Tensile strength of pure adhesive and sealant	3,0 N/mm ²
Average tensile shear strength (DIN EN 1465/ ASTM D 12)	2,0 N/mm ²
Specific resistance	0,9 x 10 ¹² Ohm/cm
Tear strength (DIN 53515/ASTM D 1002)	19 N/mm ²
Movement capacity max.	20 %
Overpaintable (liquid paint)	only „wet in wet“, within 3 hrs. at the latest
Building material category (DIN 412)	B 2
Specific forward resistance	0,9 x 10 ¹² Ohm/cm
Temperature resistance	-40 to +90 briefly (approx. 2 h) to +120 °C

crystal-clear adhesion

WEICON Speed-Flex Crystal replaces traditional fixings like screws, pegs, rivets etc. Due to the very high initial adhesion, bonding is possible even on vertical surfaces both in-house and outside.

Particularly suitable for optically demanding bondings when the adhesive bead is not to be visible. Thus e.g. transparent plastics, acrylic glass or other materials can be bonded rapidly, neatly and attractively among each other.

WEICON Speed-Flex Crystal can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition stand construction and shopfitting and in many other cases.

WEICON Speed-Flex Crystal is very strong, pasty, stable, resistant to ageing, weathering and UV rays and is free of silicone, isocyanate and halogen. ISEGA certificate for use in food technology.



Technical Data

Base	1 C.-Polyoxypropylener
density	1,06 g/cm ³
Viscosity adhesive	pasty
Stability/Run-off (ASTM D 222)	< 1 mm
Processing temperature	+5 to +40 °C
Cure type	By humidity
Curing condition	+5 to +40°C and 30% to 95% rel. humidity
Skin-overtime*	10 min.
Curing speed (first 24h)	2 -3 mm
Volume change (DIN 52451)	-3 %
Gap filling up to max.	5 mm
Gap width up to max.	25 mm

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.

*Measured at 50% relative air humidity and +23°C

Surface pre-treatment

The surfaces must be clean and free of grease. Many surface contaminants, e.g. oil, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend WEICON Cleaner Spray S; WEICON Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues. Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent (primer). Detailed information on this subject is contained in the primer selection table. A mechanical surface pre-treatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

Processing

Application methods:

Professional cartridge gun for 310 ml cartridges (WEICON Cartridge Gun "special"), compressed air gun we recommend a variation with piston rod (WEICON Cartidge Gun) , automatic dosing systems.

Joining the parts to be bonded:

To ensure optimal wetting, the parts must be joined before the first skin has been formed on the adhesive (skin-overtime).

Storage

When unopened and stored at room temperature (+23°C and 50 % rel. humidity), WEICON elastic one-component adhesives and sealants have a shelf life of 12 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:

13608310 Speed-Flex® Crystal MS-Polymer 310 ml

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
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www.weicon.ca

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Turkey
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phone +40 (0) 3 65 730 763
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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

Accessories:

13250000	Cartridge Cutter, 310 ml
13250001	Cartridge Gun,
13250002	Cartridge Gun Special,
13250009	Compressed Air Cartridge Gun,
13955031	V-Joint Nozzle,

Note

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phone +971 4 880 25 05
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www.weicon.ae

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info@weicon.ca
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
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info@weicon.com.tr
www.weicon.com.tr

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

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info@weicon.co.za
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Singapore
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info@weicon.com.sg
www.weicon.com.sg

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www.weicon.it