

Flex+bond® 液体胶



自流平，用于灌封和涂层

Flex+bond 液体胶是一款自流平的单组份灌封与涂层产品，其涂层厚度最大可达10毫米。该产品固化时几乎无气味，以MS聚合体为基础成分，不含溶剂、异氰酸酯和硅。

该产品适用于多种领域，如电子技术和电子工业的灌封、电缆连接处的灌封、隔离及绝缘技术、金属加工、容器和仪器仪表制造以及通风和空调技术。



技术参数

基础成分	单组份MS聚合物
颜色	白色
密度	1,48 g/cm ³
粘度	7.000
操作温度	+5 至 +40 °C
固化方式	湿气固化
固化条件	温度+5至+40°C，相对湿度30%至95%
表干时间*	40 分钟
固化速度（首24个小时）	2 - 3 mm
体积变化(依据 DIN 52451)	-9 %
最大粘接缝隙	0,5 mm
最大缝隙宽度	25 mm
邵氏硬度 A (依据 DIN 53505 / ASTM D 2240) ± 5	43
断裂伸长率(依据 DIN 53504/ASTM D412)	400 %
粘合剂抗拉强度	2,2 N/mm ²
平均拉伸剪切强度(依据 DIN EN 1465/ASTM D 1002)	1,8 N/mm ²
断裂抗性(依据 DIN 53515/ASTM D 1002)	11 N/mm ²
形变极限	10 %

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。

可燃性等级 (DIN 4102)	B2
特定正向电阻	1,1 x 10 ¹² Ohm/cm
是否可涂漆 (湿涂)	完全固化后 可涂漆
耐温性	40 至 +80 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

徒手挤压

使用后请即刻拧紧瓶盖。已拆封的胶瓶请尽快使用完毕。

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

13354085 Flex+bond® 液体胶 85 ml flüssig

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Flex+bond® Liquid



Self-levelling, one-component casting and coating mass

Flex+Bond Liquid is a self-levelling mass for casting and coating works with a layer thickness of up to 10mm.

It cures without any odour, is based on MS-Polymer and is free of solvents, isocyanates and silicone.

It can be used for many different applications, such as castings in the electrical and electronics industry or casting of cable connections. It is also suitable for the insulation technology, for metal, tank and machinery and valve construction and in the ventilation and air conditioning technology.



Technical Data

Base	One-component MS-polymer
Colour	white
density	1,48 g/cm³
Viscosity adhesive	7.000
Processing temperature	+5 to +40 °C
Cure type	by humidity
Curing condition	+5°C to +40°C and 30% to 95% rel. humidity
Skin-overtime*	40 min.
Curing speed (first 24h)	2 - 3 mm
Volume change (DIN 52451)	-9 %
Gap filling up to max.	0,5 mm
Gap width up to max.	25 mm
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	43
Elongation at break (DIN 53504/ASTM D 2240) ± 5	400 %
Tensile strength of pure adhesive and sealant	2,2 N/mm²
Average tensile shear strength (DIN EN 1465/ ASTM D 12)	1,8 N/mm²

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.

Tear strength (DIN 53515/ASTM D 1002)	11 N/mm²
Movement capacity max.	10 %
Overpaintable (liquid paint)	after complete curing
Building material category (DIN 412)	B2
Specific forward resistance	1,1 x 10 ¹² Ohm/cm
Temperature resistance	-40 to +80 briefly, to +120 °C

*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

Squeeze tube by hand.

Put the cap back on the tube immediately after use, tubes should be used up as quickly as possible after opening.

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:

13354085 Flex+bond® Liquid 85 ml liquid

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