

Flex 310 M® 2 K



固化迅速

WEICON Flex 310 M 2K密封胶附着力出色、湿润时可涂漆、固化后可研磨，同时还具有突出的耐老化性和良好的抗紫外线能力。它能够抵抗淡水和咸水，不含硅、异氰酸酯、卤素或溶剂。

是一款以混合聚合物为基础成分的超强弹性双组份密封胶。它适用于大面积平面粘接，且最大粘接缝隙能达到10毫米。该产品可粘接几乎所有材料，如金属及多种塑料。

它能够用于金属加工、仪器制造、车辆和集装箱结构、通风和空调系统、电气行业、船舶工业和其他不允许使用硅胶或含硅产品的工作。

技术参数

基础成分	双组份MS聚合物
密度	1,4 g/cm ³
粘度	粘稠膏状
操作温度	+5 至 +35 °C
温度+23°C、空气湿度50%时的可操作时间	10 分钟
达到机械负载的所需时间	60 分钟
固化方式	化学聚合反应
体积变化(依据 DIN 52451)	1 %
最大粘接缝隙	10 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)	350 %
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)	1,3 N/mm ²
可燃性等级 (DIN 4102)	B 2
耐温性	-40 至 +90 °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

该胶瓶包装特殊。原装附赠的胶嘴专用于该胶瓶的出胶。我们建议使用WEICON空压式胶枪特殊款，货号13250002。最初挤出的5至8 cm胶水请弃置。单侧涂胶即可。

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、毒理性、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

13305250 Flex 310 M® 2 K 250 ml 灰色

产品配件

13250002 压力胶枪特殊款,
13250009 空压胶枪,
13309997 专业混合型胶嘴,

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。

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Flex 310 M® 2 K MS-Polymer



Temperature resistance -40 to +90 °C

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

fast-curing

The WEICON Flex 310 M 2 K adhesive and sealant is very strong, non-corrosive, overpaintable (wet in wet), sandable, weather-resistant, resistant to UV rays and is free of silicone, isocyanate, or solvents.

Flex 310 M 2 K is a strong 2-component system on a hybrid polymer basis which enables fullsurface bonding of larger parts and which can be used to fill gaps of up to 10 millimetres. It is suitable for the bonding of almost all materials such as metal and many plastics.

WEICON Flex 310 M 2 K can be used in metal construction, tank and apparatus engineering, machine and system construction, in the furniture industry, in ventilation and air conditioning systems, in the electrical industry, yacht and boat construction and in all applications where silicones or products containing silicones are not suitable.

Technical Data

Base	2-C-hybrid-Polymer
density	1,4 g/cm³
Viscosity adhesive	solid paste
Processing temperature	+5 to +35 °C
Pot life (at +23°C and 50% rel. Humidity)	10 min.
Set to load bearing	60 min.
Cure type	chemical polymerisation
Volume change (DIN 52451)	1 %
Gap filling up to max.	10 mm
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	350 %
Tensile strength of pure adhesive and sealant	2,2 N/mm²
Average tensile shear strength (DIN EN 1465/ ASTM D 12)	1,3 N/mm²
Building material category (DIN 412)	B 2

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.

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

The special coax cartridge with the included static mixer can be used with the help of commercial cartridge guns. We recommend the use of the WEICON Cartridge Gun "special", art. No. 13250002. Reject the first 5 – 8 cm of the dosed bead. The adhesive may be applied to only one of the surfaces to be bonded.

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:

13305250 Flex 310 M® 2 K MS-Polymer 250 ml grey

Accessories:

13250002 Cartridge Gun Special,
13250009 Compressed Air Cartridge Gun,
13309997 Special Mixing Nozzle,

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