

# 法兰密封胶



## 黑/红

### 具永久弹性的特殊密封材质

WEICON 法兰密封胶是一款粘附性强、具永久弹性的特殊密封产品。它通过湿气固化，固化后完全无收缩。法兰密封胶能很好地粘附于钢、铝、玻璃、陶瓷及许多其他材质。

法兰密封胶具备出色的耐高温、耐油脂、耐紫外线及耐老化性能，具永久弹性。

该产品适用于电机、水泵、传动装置、齿轮、油箱等。

## 技术参数

基础成分	1K-聚硅氧烷 (乙酸酯)
颜色	红 / 黑
密度	1,28 / 1,06 g/cm <sup>3</sup>
粘度	膏状
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*	12 / 7 分钟
固化速度 (首24个小时)	2 - 3 mm
体积变化(依据 DIN 52451)	-1 / -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	35 / 30
断裂伸长率, 依据ISO 37, S3A	500 %
拉伸强度, 依据ISO 37, S3A	2,0 N/mm <sup>2</sup>
拉伸至100%时的拉伸强度, 依据 ISO 37, S3A	0,9 / 0,7 N/mm <sup>2</sup>
形变极限	15 %
可燃性等级 (DIN 4102)	B 2
是否可涂漆 (湿涂)	不可涂漆
耐温性	-60 至 +280 短时 (约2小时) 可达 +300 °C

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。

\*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（如打磨或喷砂），能够大大提升粘接效果。

## 操作

### 使用方法

适用于310 ml胶瓶的手动胶枪，气动胶枪（我们建议使用带活塞连杆的胶枪），自动点胶系统

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

30100310 法兰密封胶 310 ml 红  
30101310 法兰密封胶 310 ml 黑

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# Gasket Maker



## Black / red Permanently elastic special sealant

WEICON Gasket Maker is a strong and permanently elastic special sealant that cures with air humidity and practically without shrinkage. The Gasket Maker has a very good adhesion on steel, aluminium, glass, ceramic, and many other materials.

It has an excellent temperature, oil and grease resistance, is pressure- and aging-resistant, UV-stable and permanently elastic.

The special sealant can be used on engines and water pumps, gears and axles, oil sumps and in many other applications.

### Technical Data

Base	One-component acetate
Colour	red / black
density	1,28 / 1,06 g/cm <sup>3</sup>
Viscosity adhesive	pasty
Cure type	by humidity
Curing condition	+5°C to +35°C (+41 to +95°F) and 30% to 95% rel. humidity
Skin-overtime*	12 / 7 min.
Curing speed ( first 24h)	2 - 3 mm
Volume change (DIN 52451)	-1 / -3 %
Gap filling up to max.	5 mm
Gap width up to max.	25 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	35 / 30
Elongation at break acc. to ISO 37, S3A	500 %
Tensile strength acc. to ISO 37, S3A	2,0 N/mm <sup>2</sup>
Tension strength value at 100 % (ISO 37, S3A)	0,9 / 0,7 N/mm <sup>2</sup>
Movement capacity max.	15 %
Overpaintable (liquid paint)	cannot be painted over
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.

Temperature resistance -60 to +280 briefly (approx. 2 h) +300 °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

Application methods

Professional cartridge gun for 310 ml cartridges, compressed air gun (we recommend a variation with piston rod), 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](http://www.weicon.com)) must be observed.

### Available sizes:

30100310 Gasket Maker 310 ml red  
30101310 Gasket Maker 310 ml black

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