

## WEICON VA 180 HT



适用于特殊工况的瞬间胶，耐高温，固化迅速，中等粘度，几乎无气味

WEICON 瞬间胶 VA 180 HT 是一款适用于特殊工况的透明氟基丙烯酸酯粘合剂。它耐高温达 +180 °C，固化迅速，中等粘度，几乎无气味。

这款瞬间胶尤其适用于固定和粘接需要承受较大温度变化的部件，如正在运行的发动机附近的部件。

WEICON 瞬间胶 VA 180 HT 可应用于各种工业领域，如照明设备的生产、厨房及电器设备的制造等诸多需要耐高温且快速粘接的工况。

## 技术参数

酯型	乙基
质地	无色，透明液体
特色	几乎无气味，耐高温
依据 Brookfield 在温度 +20°C 时的粘度	300 - 400 mPa·s
最大粘接缝隙	0,15 mm
达到初始粘附力 (粘接铝)	20 - 50 秒
达到初始粘附力 (粘接NBR橡胶)	5 - 20 秒
达到初始粘附力 (粘接硬质PVC)	40 - 100 秒
达到最终强度	24 h
依据 DIN EN 1465, 拉伸剪切强度为:	
钢质表面 喷砂处理	14 N/mm <sup>2</sup>
铝, 喷砂处理	18 N/mm <sup>2</sup>
硬质PVC	13 N/mm <sup>2</sup>
ABS	12 N/mm <sup>2</sup>
PC	9 N/mm <sup>2</sup>
NBR	> 8 N/mm <sup>2</sup>
耐温性	-55 至 + 180 / 软化温度 +150 °C

## 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）。光滑表面需做粗糙处理。难以粘接的塑料表面（如PE、PP、POM、PTFE）、热塑性弹性体（TPE）以及硅酮，可使用WEICON瞬间胶底漆进行预处理。

## 操作

- WEICON 瞬间胶使用时仅需单侧涂胶。
- 粘接厚度应在0.05 mm至0.2mm之间，否则无法完全固化。
- 若需粘接较大的平面，则需要逐滴滴加WEICON瞬间胶，以避免产生内部张力。
- WEICON瞬间胶非常经济实惠，一滴胶水能粘接约3 - 5cm<sup>2</sup>的面积。
- 粘接操作应在相对湿度40 - 80%环境中进行。当相对湿度低于40%时，固化速度会大大减慢，甚至无法固化。当空气湿度高于80%时，则会出现瞬间固化的现象。在这种情况下，一些材料的粘接强度会下降10 - 15%，这是由粘接层的内部张力所致。
- 当待粘接的物体表面碱性（pH值大于7）时，胶水的固化速度会加快；反之，酸性表面则会减慢固化速度。在极端环境下，聚合反应有可能被完全抑制。

## 储藏

WEICON氟基丙烯酸酯粘合剂需储存在干燥、阴凉处。在室温（18 - 25°C）环境下，保质期为至少9个月。在5°C（如冰箱、冰柜）环境下，保质期可延长至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

12750030	WEICON VA 180 HT 30 g
12750060	WEICON VA 180 HT 60 g

## 产品配件

12500150	瞬间胶催化剂喷剂, 150 ml
12505150	瞬间胶催化剂AC,
12955170	精密胶嘴,
12955175	精密胶嘴,

## 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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# WEICON VA 180 HT



## Cyanoacrylate adhesive for special requirements, high-temperature-resistant, fast-curing, medium viscosity, odourless

WEICON Contact VA 180 HT is a transparent cyanoacrylate adhesive for special requirements. It is high-temperature-resistant up to +180°C, fast-curing and odourless, and has medium viscosity.

The cyanoacrylate adhesive is suitable especially for the fixation of components, which are exposed to strong temperature fluctuations, for example when close to a running engine.

WEICON Contact VA 180 HT can be used in various industrial applications, such as in lamp and lightning construction, in the production of kitchen and electronic devices, or in areas where high temperatures can occur and a quick solution is needed.

### Technical Data

Ester type	ethyl
Composition	colourless, clear liquid
Features	odourless, temperature-resistant
Viscosity at +20°C (+68°F) according to Brookfield	300 - 400 mPa·s
Max. Gap Bridging	0,15 mm
Initial strength on aluminium	20 - 50 sec.
Initial strength on NBR-Rubber	5 - 20 sec.
Initial strength on hard PVC	40 - 100 sec.
Final strength approx. after	24 h
Shear strength according to DIN EN 1465 at:	
Steel sand blasted	14 N/mm <sup>2</sup>
Sand-blasted Aluminium	18 N/mm <sup>2</sup>
Rigid PVC	13 N/mm <sup>2</sup>
ABS	12 N/mm <sup>2</sup>
PC	9 N/mm <sup>2</sup>
NBR	> 8 N/mm <sup>2</sup>

### 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	-55 to +180 (-67 °F to +356 °F) / softening temperature +150 (302 °F) °C
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### Surface pre-treatment

For a flawless adhesive bond, surfaces must be clean and dry (clean and degrease with WEICON Surface Cleaner). Smooth surfaces should be roughened mechanically. To improve the adhesion of plastics difficult to bond (e.g. PE, PP, POM, PTFE), thermoplastic elastomers (TPE) and silicones, WEICON CA-Primer can be applied to the bonding surface.

### Processing

- Apply WEICON Contact Cyanoacrylate Adhesive to just one of the bonding surfaces.
- The layer thickness when applying the adhesive should be between min. 0.05 and max. 0.2 mm (depending on the type), as otherwise complete curing cannot be guaranteed.
- For large-surface bondings, WEICON Contact Cyanoacrylate Adhesives should be applied in dots in order to prevent inner tensions.
- WEICON Contact Cyanoacrylate Adhesives are very economical. One drop covers approx. 3 to 5 cm<sup>2</sup> bonding surface.
- The components should be bonded at a relative air humidity level between 40% and 80%. Below 40 %, the curing process is slowed down significantly or even prevented altogether. At an air humidity level above 80 % or with strongly basic substrates (e.g. glasses), the risk of shock-curing occurs. In these cases, certain materials show a drop in strength by 10 % to 15 % due to tensions in the adhesive layer.
- Alkaline surfaces (pH value >7) accelerate the curing process, acidic surfaces (pH value <7) slow down the curing process and can prevent polymerisation altogether in extreme cases.

### Storage

WEICON Contact Cyanoacrylate Adhesives have a shelf life of at least 9 months, when stored in unopened condition at room temperature (+18 °C to +25 °C) in a dry and dark space. Temperatures of approx. +5 °C will increase the shelf life to 12 months.

### Safety and health

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

### Available sizes:

12750060	WEICON VA 180 HT 60 g
12750030	WEICON VA 180 HT 30 g

### Accessories:

12500150	CA-Activator Spray, 150 ml
12505150	CA-Activator Spray AC, 150 ml
12955170	Dosing Tips, Size 0
12955175	Dosing Tips, Typ A Size 0,5

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