

# 瞬间胶 VM 120



## 适用于金属

中粘度，固化较慢，粘接后允许调整位置

WEICON 瞬间胶 VM 120适用于所有金属。

WEICON 瞬间胶 VM 120金属加工、机械制造、房屋和设备工程等。

## 技术参数

酯型	M乙烷基
质地	无色，透明液体
依据 Brookfield 在温度 +20°C时的粘度	100 -130 mPa·s
最大粘接缝隙	0,15 mm
达到初始粘附力（粘接铝）	50 -70 秒
达到初始粘附力（粘接NBR橡胶）	10 -60 秒
达到初始粘附力（粘接硬质PVC）	30 -120 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	25 N/mm <sup>2</sup>
铝，喷砂处理	19 N/mm <sup>2</sup>
硬质PVC	12 N/mm <sup>2</sup>
ABS	11 N/mm <sup>2</sup>
PC	12 N/mm <sup>2</sup>
NBR	> 8 N/mm <sup>2</sup>
耐温性	-50至+120，短时可达+150/软化温度+170 °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0.2m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氰基丙烯酸盐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

12350030-47	瞬间胶 VM 120 30 g
12350060-47	瞬间胶 VM 120 60 g
12350500	瞬间胶 VM 120 500 g

## 产品配件

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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# Contact VM 120 Cyanoacrylate Adhesive

PP, POM, PTFE), thermoplastic elastomers (TPE) and Silicone, WEICON CA-Primer can be applied on the surface.



**Cyanoacrylate Adhesive for metals medium viscosity**  
slower curing, a short-term realignment of parts is possible

WEICON Contact VM 120 is suited for all types of metal bonds.  
WEICON Contact VM 120 can be used in the metalworking industry, in machine construction, in housing and apparatus engineering and in many other applications.

## Technical Data

Ester type	Methyl
Texture	colourless, clear liquid
Viscosity at +20°C (+68°F) according to Brookfield	100 -130 mPa·s
Max. Gap Bridging	0,15 mm
Initial strength on aluminium	50 -70 sec.
Initial strength on NBR-Rubber	10 -60 sec.
Initial strength on hard PVC	30 -120 sec.
Final strength approx. after	24 h
Shear strength according to DIN EN 1465 at:	
Steel sand blasted	25 N/mm <sup>2</sup>
Sand-blasted Aluminium	19 N/mm <sup>2</sup>
Rigid PVC	12 N/mm <sup>2</sup>
ABS	11 N/mm <sup>2</sup>
PC	12 N/mm <sup>2</sup>
NBR	> 8 N/mm <sup>2</sup>
Temperature resistance	-50 to +120 briefly to +150 / squatting temp. +170 °C

## Surface pre-treatment

To ensure a perfect bonding, the surfaces to be joined must be clean and dry (to clean and degrease use WEICON Surface Cleaner). Smooth surfaces should be mechanically roughened. To improve the adhesion on difficult to bond plastics (e.g. PE,

## Processing

- Apply WEICON Contact Cyanoacrylate Adhesive only on one of the surfaces to be bonded. The bond line should be between 0.05 mm and max. 0.2 mm (acc. to type) in thickness. Otherwise complete hardening cannot be guaranteed.

- For bonding large surfaces WEICON Contact Cyanoacrylate Adhesive should be applied drop by drop to avoid inner tensions.

- WEICON Contact Cyanoacrylate Adhesives are very economical. One drop is sufficient to cover approx. 3 - 5 cm<sup>2</sup> of bonded surface.

- The parts to be joined should be bonded in an atmosphere of 40 - 80 % relative humidity. In conditions of below 40%, the cure will be considerably slowed or even inhibited. With a relative air humidity of more than 80% or with basic substrates (e.g. glass), shock-curing can occur. In such cases, some materials show a drop in bond strength of 10 - 15 %, due to inner tensions in the bond line.

- Basic-reacting surfaces (pH-value smaller 7) will speed up the cure whereas acidic-reacting surfaces will retard and, under extreme conditions, completely inhibit the polymerization.

## Storage

WEICON Contact Cyanoacrylate Adhesives can be stored in the unopened original container for at least 9 months at room temperature (+ 18°C to + 25°C). Keep away from moisture and direct sunlight. At temperatures of about + 5°C, the shelf life can be extended up to 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:

12350020	Contact VM 120 Cyanoacrylate Adhesive 20 g
12350030	Contact VM 120 Cyanoacrylate Adhesive 30 g
12350060	Contact VM 120 Cyanoacrylate Adhesive 60 g
12350500	Contact VM 120 Cyanoacrylate Adhesive 500 g

## Accessories:

12955170	Dosing Tips,
12955175	Dosing Tips,

## 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.

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