

# Contact VA 110 Cyanoacrylate Adhesive



## Cyanoacrylate Adhesive for rubber and plastics medium viscosity slightly longer cure

The special feature of the product is its NSF approval in accordance with ANSI Standard 61 - Drinking Water System Components. Thus, VA 110 also meets the highest standards and can be used in sensitive areas such as in the pharmaceutical industry, in the manufacturing of cosmetics, in the food industry, in the manufacturing of toys or jewelry industry.



### Technical Data

|  |                                      |
|--|--------------------------------------|
| Ester type   | Ethyl                                |
| Texture  | colourless, clear liquid             |
| Viscosity at +20°C (+68°F) according to Brookfield | 70 -110 mPa·s                        |
| Max. Gap Bridging                                  | 0,15 mm                              |
| Initial strength on aluminium                      | 20 -50 sec.                          |
| Initial strength on NBR-Rubber                     | 3 -15 sec.                           |
| Initial strength on hard PVC                       | 10 -50 sec.                          |
| Final strength approx. after                       | 24 h                                 |
| Shear strength according to DIN EN 1465 at:        |                                      |
| Steel sand blasted                                 | 20 N/mm <sup>2</sup>                 |
| Sand-blasted Aluminium                             | 15 N/mm <sup>2</sup>                 |
| Rigid PVC  | 13 N/mm <sup>2</sup>                 |
| ABS  | 12 N/mm <sup>2</sup>                 |
| PC   | 13 N/mm <sup>2</sup>                 |
| NBR  | > 8 N/mm <sup>2</sup>                |
| Temperature resistance                             | -30 to +80 / squatting temp. +160 °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, PP, POM, PTFE), thermoplastic elastomers (TPE) and Silicone, WEICON CA-Primer can be applied on the surface.

### 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:

|          |  |
|----------|--|
| 12052012 | Contact VA 110 Cyanoacrylate Adhesive 12 g |
| 12052030 | Contact VA 110 Cyanoacrylate Adhesive 30 g |
| 12052060 | Contact VA 110 Cyanoacrylate Adhesive 60 g |

### 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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**Technical Datasheet**

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12052500 Contact VA 110 Cyanoacrylate Adhesive 500 g

**Accessories:**

12955170 Dosing Tips,  
12955175 Dosing Tips,

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