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
Composition	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 53283 on	
Sand-blasted Steel	20 N/mm²
Sand-blasted Aluminium	15 N/mm²
Rigid PVC	13 N/mm²

ABS	12 N/mm²
PC	13 N/mm²
NBR	> 8 N/mm²
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 cm² 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) must be observed.

Available sizes:

12052012 Contact VA 110 Cyanoacrylate Adhesive 12 g 12052030 Contact VA 110 Cyanoacrylate Adhesive 30 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 adequated boratory 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.

WEICON GmbH & Co. KG (Headquarters) Germany phone +49 (0) 251 9322 0 info@weicon de

WEICON SA (Pty) Ltd South Africa phone +27 (0) 21 709 0088 info@weicon.co.za WEICON Middle East L.L.C United Arab Emirates phone +971 4 880 25 05 info@weicon ae

WEICON South East Asia Pte Ltd Singapore phone (+65) 6710 7671 WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Czech Republic s.r.o. Czech Republic phone +42 (0) 417 533 013 WEICON Kimya Sanayi Tic. Ltd. Şti. Turkey phone +90 (0) 212 465 33 65 info@weicon.com.tr

WEICON Ibérica S.L. Spain phone +34 (0) 914 7997 34 WEICON Romania SRL Romania phone +40 (0) 3 65 730 763 office@weicon.com



Technical Datasheet

12052060 Contact VA 110 Cyanoacrylate Adhesive 60 g 12052500 Contact VA 110 Cyanoacrylate Adhesive 500

Accessories:

11202400 Sealant and Adhesive Remover, 400 ml

11207400 Surface Cleaner, 400 ml 11850200 Hand Protective Foam, 200 ml 12450010 CA-Primer for Polyolefines, 10 ml 12500150 CA-Activator Spray, 150 ml CA-Activator Spray AC, 150 ml 12505150

12955170 Dosing Tips, Size 0 12955175 Dosing Tips, Typ A Size 0,5

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