

Contact VA 8312 Cyanoacrylate Adhesive



Cyanoacrylate Adhesive for rubber and plastics ISEGA-certified very fast-curing, low viscosity

WEICON Contact VA 8312 has low viscosity (20-40 mPa·s) and hardens very quickly. VA 8312 is suited for the bonding of various rubber materials such as solid rubber or cellular rubber, plastics and EDPM elastomers.

In combination with WEICON CA-Primer, VA 8312 can also be used for polyolefines (PE-polyethylene, PP-polypropylene). In combination with WEICON Contact Filler, VA 8312 is suited for the instant bonding and filling of cracks, clefts, holes and uneven surfaces.

Technical Data

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| Ester type | Ethyl |
| Texture | colourless, clear liquid |
| Viscosity at +20°C (+68°F) according to Brookfield | 20 - 40 mPa·s |
| Max. Gap Bridging | 0,1 mm |
| Initial strength on aluminium | 30 - 60 sec. |
| Initial strength on NBR-Rubber | 2 - 10 sec. |
| Initial strength on hard PVC | 5 - 30 sec. |
| Final strength approx. after | 24 h |
| Shear strength according to DIN EN 1465 at: | |
| Steel sand blasted | 20 N/mm ² |
| Sand-blasted Aluminium | 14 N/mm ² |
| Rigid PVC | 13 N/mm ² |
| ABS | 12 N/mm ² |
| PC | 13 N/mm ² |
| NBR | > 8 N/mm ² |
| Temperature resistance | -50 to +80 briefly to +100 / squatting temp. +150 °C |
| ISSA-Code | 75.629.04/05/06/17 |
| IMPA-Code | 815241/42/43/44 |

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.

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:

12200012 Contact VA 8312 Cyanoacrylate Adhesive 12 g

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

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za
www.weicon.co.za

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae
www.weicon.ae

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg
www.weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz
www.weicon.cz

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es
www.weicon.es

DANLUBE A/S
Tune Parkvej 5
DK-4030 Tune
Denmark
+45 70 25 12 80
info@danlube.dk
www.danlube.dk

Technical Datasheet

Create Date:17.08.2020 - Seite2/2

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| 12200020 | Contact VA 8312 Cyanoacrylate Adhesive 20 g |
| 12200030 | Contact VA 8312 Cyanoacrylate Adhesive 30 g |
| 12200060 | Contact VA 8312 Cyanoacrylate Adhesive 60 g |
| 12200500 | Contact VA 8312 Cyanoacrylate Adhesive 500 g |

Accessories:

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| 12955170 | Dosing Tips, |
| 12955175 | Dosing Tips, |

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www.weicon.co.za

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae
www.weicon.ae

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg
www.weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz
www.weicon.cz

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es
www.weicon.es

DANLUBE A/S
Tune Parkvej 5
DK-4030 Tune
Denmark
+45 70 25 12 80
info@danlube.dk
www.danlube.dk