

# Contact Cyanoacrylate Adhesives

## Contact-Filler Set



### WEICON Contact Filler and WEICON Contact VA 8312

WEICON Contact VA 8312 is suitable 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.

#### Characteristics

Base	ethyl
Texture	colourless, clear substance
Minimum shelf life at room temperature	9 mon.
Minimum shelf life from +2 °C to +7 °C	12 Mon.

#### Processing

Viscosity	20 - 40 mPa·s
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#### Curing

Initial adhesion in seconds (shear strength: 0,5 MPa)	
on aluminium sandblasted	30 - 60 sec.
on rigid PVC	5 - 30 sec.
on NBR rubber	2 - 10 sec.

Final strength (100 % strength)	24 h
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#### Mechanical properties after curing

Shear strength according to DIN EN 1465	
Steel sandblasted	20 N/mm <sup>2</sup>
Aluminium sandblasted	14 N/mm <sup>2</sup>
NBR	> 8 N/mm <sup>2</sup>

#### Thermal parameters

Temperature resistance	-50°C to +80°C, briefly up to +100°C/ Squatting temperature +150°C
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#### Approvals / Guidelines

MIL-Spec	complies with	MIL-A-46050C
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#### 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.

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

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  
info@weicon.cz

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

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 511 9322 0  
info@weicon.de

WEICON Italia S.r.l.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

WEICON Romania SRL  
Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com

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

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

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

#### Instructions for use

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.

#### 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.

#### Application

- 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

Store WEICON Contact Cyanoacrylate adhesives unopened at room temperature in a dry place, avoiding direct sunlight. Storage in a refrigerated environment (+2 °C bis +7 °C) increases the shelf life.

#### Scope of delivery

Adhesive (20g) | CA Filler (30g)

# Contact-Filler Set

## Contact Cyanoacrylate Adhesives

### Accessories

10068262 Dosing Tip, 1 PCE  
10068261 Dosing Tip, 1 PCE

### Available sizes

10063102 Contact-Filler Set, 1 Set, transparent  
10063110 Contact-Filler Set, 1 Set, black

### Conversion table

(°C x 1.8) + 32 = °F	Nm x 8.851 = lb·in
mm/25.4 = inch	Nm x 0.738 = lb·ft
µm/25.4 = mil	Nm x 141.62 = oz·in
N x 0.225 = lb	mPa·s = cP
N/mm <sup>2</sup> x 145 = psi	N/cm x 0.571 = lb/in
MPa x 145 = psi	kV/mm x 25.4 = V/mil

To the product detail page:



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(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

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phone +40 (0) 3 65 730 763  
office@weicon.com

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