1-Component Adhesives and Sealants

Contact Cyanoacrylate Adhesives

Contact Filler



filler for cyanoacrylate adhesives | gap-filling bonding with instant adhesive | very fast-curing

Silica-based filler specially developed for WEICON cyanoacrylate adhesives for covering larger adhesive gaps of more than 0.1 mm as well as for filling cracks, gaps, holes and unevenness. Contact filler is therefore suitable in combination with Contact cyanoacrylate adhesive not only for bonding, but also for reinforcing, shaping, modelling, fixing, filling as well as evening out and levelling.

Characteristics		
Base		Silicon Oxide
Odour		odourless
Pigment size		80 - 150 µ
Suitable for		VA 20; VA 100; VA 1408; VA 8312; VA 8406
Minimum shelf life	at room temperature	9 mon.
Minimum shelf life	from +2 °C to +7 °C	12 Mon.
Processing		
Density		2,5 g/cm³
Max. layer thickness	per step	3 mm
Thermal parameters		
Temperature resistance		+ 600 °C
Approvals / Guidelines		
ISSA Code		53.402.19
MIL-Spec	complies with	-

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) must be observed.

Surface Pre-Treatment

The successful application of WEICON Contact Cyanoacrylate Adhesives depends on the thorough preparation of the surfaces. This is the most important factor for overall success. Dust, dirt and moisture or wetness have a negative impact on the adhesion. Therefore, before processing WEICON Contact Cyanoacrylate Adhesives, the following points must be observed: For a flawless adhesive bond, adhesive 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 that are difficult to bond (e.g. PE, PP, POM, PTFE), thermoplastic elastomers (TPE) and silicones, WEICON CA-Primer can be applied to the bonding surface. Without pre-treatment, many plastics cannot or can only be bonded under certain conditions. When these plastics are pre-treated with WEICON Contact Primer, their surface structure changes. This makes it possible to bond plastics that are otherwise difficult to bond, e.g. polyethylene (PE) and polypropylene (PP) from the polyolefine group. Even modern thermoplastic elastomers (TPE), PTFE and related plastics as well as silicones can be bonded, when pre-treated with WEICON Contact Primer.

Application

Contact filler is applied in layers of adhesive-filler-adhesive. The application in layers can be repeated as often as required until the necessary layer thickness is achieved. After complete curing, mechanical processing (grinding, drilling, sawing, milling) or painting is possible. The components should be bonded at a relative air humdity level between 40 % and 80 %. Below 40 %, the curing process is slowed down significantly or even prevented altogether. At an air humdity level above 80 % or with strongly alkaline substrates (e.g. glasses), there is a risk of shock curing. In these cases, certain materials show a drop in strength by 10 % to 15 % due to tensions in the adhesive layer.

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

CA Filler

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

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

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

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

WEICON Colombia S.A.S
Colombia
Phone: +57 314 793 86 06
Email: info@weicon.co

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

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

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

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

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

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Available sizes

10012382 Contact Filler, 30 g, transparent
10063106 Contact Filler, 30 g, black

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Canada
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info@weicon.ca

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