

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
Texture	Coarse powder
Odour	odourless
Pigment size	80 - 150 µ
Suitable for	VA 20; VA 100; VA 1408; VA 8312; VA 8406

Processing

Density	2,5 g/cm ³
Max. layer thickness	per step 3 mm

Thermal parameters

Temperature resistance	+ 600 °C
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Approvals / Guidelines

ISSA Code	53.402.19
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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.

Processing

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 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 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

Contact Filler has a shelf life of at least 36 months when stored unopened and in a dry place.

Scope of delivery

Contact 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.

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Contact Filler

Available sizes

- 12650030 Contact Filler, 30 g, transparent
- 12650100 Contact Filler, 1 kg, transparent
- 12650925 Contact Filler, 25 kg, transparent
- 12651030 Contact Filler, 30 g, black

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

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