

Contact VA 30 Black Cyanoacrylate Adhesive



Cyanoacrylate adhesive for special requirements | rubber-filled | high-temperature-resistant | medium viscosity | longer curing | cures with residual elasticity | high peel and impact strength

Thanks to its curing with residual elasticity, WEICON Contact VA 30 Black is particularly suitable under changing climatic

conditions. It is insensitive even under a longer influence of humidity. VA 30 Black is ideally suited for the bonding of diverse rubber materials such as solid rubber or cellular rubber,

plastics and metal/plastic joints. WEICON Contact VA 30 Black can be used in various fields of industry.

Technische Daten

Base	ethyl ester
Colour	black
Texture	black
Gap bridging up to max.	0,2 mm
Initial adhesion on aluminium	5 - 10 sec.
Initial adhesion on NBR rubber	5 - 10 sec.
Initial adhesion on rigid PVC	30 - 120 sec.
Final strength (100 % strength)	24 h
Steel sandblasted DIN EN 1465	22 N/mm ²
Aluminium sandblasted DIN EN 1465	18 N/mm ²
Rigid PVC DIN EN 1465	14 N/mm ²
ABS DIN EN 1465	11 N/mm ²
NBR DIN EN 1465	> 8 N/mm ²
Temperature resistance	-55 up to +140 / softening temp. +160

Approvals / Guidelines

ABS	11
IMPA Code	815253/54/55/56
ISSA Code	75.629.60/61/62/63

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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1-Komponenten Kleb- und Dichtstoffe

Contact Cyanoacrylate Adhesives

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.

Processing

- 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 cm² 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

WEICON Contact Cyanoacrylate Adhesives have a shelf life of at least 9 months, when stored in unopened condition at room temperature (+18 °C to +25 °C) in a dry and dark space. Temperatures of approx. +5 °C will increase the shelf life to 12 months.

Safety and health

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our safety data sheets (www.weicon.com) must be observed.

Accessories

12955170 Dosing Tip, 1 PCE
12955175 Dosing Tip, 1 PCE

Contact VA 30 Black Cyanoacrylate Adhesive

1-Komponenten Kleb- und Dichtstoffe Contact Cyanoacrylate Adhesives

Available sizes:

12603012	Contact VA 30 Black Cyanoacrylate Adhesive, 12 g, black
12603030	Contact VA 30 Black Cyanoacrylate Adhesive, 30 g, black
12603060	Contact VA 30 Black Cyanoacrylate Adhesive, 60 g, black
12603500	Contact VA 30 Black Cyanoacrylate Adhesive, 0,5 kg, 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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