

Contact VA 1403 Cyanoacrylate Adhesive

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.



Cyanoacrylate Adhesive for special requirements high viscosity, low odour and "blooming" slow-curing

WEICON Contact VA 1403 is highly viscous (1100-1800 mPa·s), low in odour when processing and has a reduced "blooming" effect. It hardens slowly and is less susceptible to moisture effects after curing.

VA 1403 is suited for the clean and visually attractive bonding of the most diverse products.

Technical Data

Ester type	Alkoxy
Texture	colourless, clear liquid
Viscosity at +20°C (+68°F) according to Brookfield	1.100 - 1.800 mPa·s
Max. Gap Bridging	0,2 mm
Initial strength on aluminium	90 -120 sec.
Initial strength on NBR-Rubber	5 -30 sec.
Initial strength on hard PVC	10 -120 sec.
Final strength approx. after	24 h
Shear strength according to DIN EN 1465 at:	
Steel sand blasted	18 N/mm ²
Sand-blasted Aluminium	12 N/mm ²
Rigid PVC	7 N/mm ²
ABS	10 N/mm ²
PC	8 N/mm ²
NBR	> 8 N/mm ²
Temperature resistance	-50 to +70 / Squalling temp. +150 °C

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.

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.

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:

12252030	Contact VA 1403 Cyanoacrylate Adhesive 30 g
12252060	Contact VA 1403 Cyanoacrylate Adhesive 60 g
12252500	Contact VA 1403 Cyanoacrylate Adhesive 500 g

Accessories:

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