

Technical Datasheet

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Contact VA 100 Cyanoacrylate Adhesive



Cyanoacrylate Adhesive for rubber and plastics medium viscosity slightly longer curing

WEICON Contact VA 100 is a universal type for the bonding of metals, plastic and rubber, both to and among each other. VA 100 is ideal for the "do-it-yourself" area, but can also be used in many areas of industry.



Technical Data

Ester type	Ethyl
Texture	colourless, clear liquid
Viscosity at +20°C (+68°F) according to Brookfield	60 -120 mPa·s
Max. Gap Bridging	0,15 mm
Initial strength on aluminium	30 -60 sec.
Initial strength on NBR-Rubber	5 -20 sec.
Initial strength on hard PVC	10 -60 sec.
Final strength approx. after	24 h
Shear strength according to DIN EN 1465 at:	
Steel sand blasted	20 N/mm ²
Sand-blasted Aluminium	15 N/mm ²
Rigid PVC	13 N/mm ²
ABS	12 N/mm ²
PC	13 N/mm ²
NBR	> 8 N/mm ²
Temperature resistance	-50 to +80 briefly to +100 / squatting temp. +150 °C
ISSA-Code	75.629.01/02/03/15
IMPA-Code	812927/28/29/30

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. 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.

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.

Available sizes:

12050001	Contact VA 100 Cyanoacrylate Adhesive 3g
12050012	Contact VA 100 Cyanoacrylate Adhesive 12 g
12050020	Contact VA 100 Cyanoacrylate Adhesive 20 g
12050030	Contact VA 100 Cyanoacrylate Adhesive 30 g
12050060	Contact VA 100 Cyanoacrylate Adhesive 60 g
12050500	Contact VA 100 Cyanoacrylate Adhesive 500 g

Accessories:

12955170	Dosing Tips,
12955175	Dosing Tips,