

Contact VA 2500 HT



Cyanoacrylate Adhesive for special requirements
high temperature resistant
high viscosity

WEICON Contact VA 2500 HT is highly viscous (2000-3000 mPa·s) and temperature resistant between -50 °C (-58 °F) and +140 °C (+284 °F). It hardens slowly with residual elasticity and has high peel and impact strength. Thanks to its curing with residual elasticity.

WEICON Contact VA 2500 HT is particularly suitable under changing climatic conditions. It is insensitive even under a longer influence of humidity. VA 2500 HT is suited for the bonding of the most diverse rubber materials and plastics and also for metal/plastic joints.

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IMPA: 81 52 49/50/51/52

Technical data

Ester type	Etyhl
Condition / nature	opaque
Viscosity at +20 °C Brookfield	2.000-3.000 mPa·s
Max. gap covering	0,2 mm
Specific gravity at +20 °C	1,06 g/cm ³
Initial adhesion on Aluminium	40-80 sec.
Initial adhesion on Nora test rubber	25-60 sec.
Initial adhesion on Rigid PVC	25-100 sec.
Final strength after	24 h
Temperature resistance	-55 bis +140 Erweichungstemp. +160 °C

Pretreatment of the surface

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 >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.

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.

Health and Safety

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.

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