

Contact VA 5000 THIX



Cyanoacrylate Adhesive for rubber and plastics
high viscosity (thixotrop)
longer cure

For porous and absorbing materials and larger tolerances. Suitable for metals, plastics, and rubber, even on vertical surfaces.

Technical data

Ester type	Ethyl
Condition / nature	colourless, clear gel
Viscosity at +20 °C Brookfield	ca. 25.000 mPa·s
Max. gap covering	0,2 mm
Specific gravity at +20 °C	1,05 g/cm ³
Initial adhesion on Aluminium	30 - 70 sec.
Initial adhesion on Nora test rubber	5 - 10 sec.
Initial adhesion on Rigid PVC	25 - 50 sec.
Final strength after	24 h
Temperature resistance	-50 to +90 °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

Shake before use. Apply WEICON Contact VA 5000 THIX only on one of the surfaces to be bonded. The curing speed depends on the gap. (If necessary, WEICON CA-Primer can be used. Apply only on one side. Do not apply activator on surfaces where a primer has been used. Allow activator to dry. Do not apply the adhesive on surface with activator. Join and position parts quickly. Allow to cure completely (24h), before stress is applied. For bonding large surfaces the adhesive should be applied pointwise to avoid inner tension. Perfect processing conditions: Relative humidity of 40 to 80%. 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.

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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