

# NEW



## WEICON Contact Cyanoacrylate Adhesives

Four newly developed «super glues» which, according to type, offer new applications if one, or a combination, of the following properties is required:

- **fast curing**
- **increased temperature resistance**
- **good cure also on absorbing surfaces such as tissue, paper, paperboard and carton**
- **residual elasticity**

### VA 8406

- **super fast curing**
- low viscosity
- for bonding various rubber materials (e.g. solid or sponge rubber) and plastics
- especially suitable for bonding APTK and EPDM elastomers where a quick setting is required
- in combination with WEICON CA-Primer, suitable also for polyolefines (PE polyethylene, PP polypropylene).



### VA 2500 HT

- **high temperature resistance**
- high viscosity
- slow curing
- residual elasticity after curing
- high impact strength
- for bonding rubber and plastics as well as metal to plastic

### VA 1401

- **good cure also on tissue, paper, paperboard and carton** as well as on foam rubber and other macropore elastomers
- medium viscosity
- fast curing
- universal type for bonding metals, plastics and rubber to and among each other.



### VA 250 Black

- **residual elasticity after curing**
- high temperature resistant
- black, rubber toughened adhesive, ideal for bonding various rubber materials (e.g. solid or sponge rubber) and plastics as well as metal to plastic
- excellent peel and shock resistance
- high viscosity
- slow curing



Available packaging:

Consumer-size bottles of 10 g, 20 g, 50 g and 500 g.  
Bulk-size packaging on request.

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Bonding of plastic parts with VA 1401

### Directions for application

- To ensure a perfect bonding, the surfaces to be joined must be clean and dry (to clean and degrease use e.g. WEICON Cleaner S).
- Smooth surfaces should be mechanically roughened.
- Apply WEICON Contact Cyanoacrylate Adhesive only on one of the surfaces to be bonded.
- The bond line should not exceed 0,2 mm (0,008") 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 cm<sup>2</sup> of bonded surface.
- The parts to be joined should be bonded in an atmosphere of 40 - 70 % relative humidity. In conditions of below 30% the cure will be considerably slowed or even inhibited. Some materials show a drop in bond strength of 10 - 15 % if the relative humidity is beyond 90%.
- Basic-reacting surfaces (pH-value <7) will speed the cure, acidic-reacting surfaces will retard the cure, and under extreme conditions will completely inhibit the polymerization.

## Technical data

Product type	Ester type	Colour	Viscosity at +20°C (mPa·s) Brookfield	Specific gravity at +20°C (g/cm <sup>3</sup> )	Initial adhesion in seconds to Aluminium	Initial adhesion in seconds to Nora test rubber	Initial adhesion in seconds to rigid PVC	Temperature range	Refractive index $n_{D^{20}}$
VA 1401	etyl	colourless	100-150	1,06	2 - 10	< 5	2 - 10	from -20°C to +80°C	1,49 (similar to glass)
VA 8406	etyl	colourless	20-50	1,05	2 - 10	< 5	2 - 10	from -20°C to +80°C	
VA 2500 HT	etyl	opaque	2000-3000	1,06	40 - 80	25 - 50	25 - 100	from -20°C to +135°C	not applicable due to residual elasticity
VA 250 Black	etyl	black	2000-3000	1,06	90 - 120	20 - 40	40 - 80	from -20°C to +135°C	

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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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### Storage

WEICON Contact Cyanoacrylate Adhesives should always be stored in a cool, dry and dark place. The shelf life (for unopened original packaging) is at least 9 months if stored in dry conditions at room temperature (18-25°C). If stored at +5°C (e.g. in a refrigerator) the shelf life can be extended to 12 months (types VA 1401 and VA 8406 max. 9 months).

### Physiological properties, health and safety at work

Physiologically, WEICON Contact Cyanoacrylate Adhesives may be considered as essentially harmless. However, ensure sufficient ventilation of workplaces to cope with the adhesive's typical vapours. Vapours of WEICON Contact may cause irritation of the mucous membranes and the eyes. Avoid contact with skin and eyes (wear gloves and protective goggles). The use of WEICON Hand Protective Foam, too, prevents skin irritation and hand cleaning problems.

EC Safety Data Sheets are available upon request.

Protective measures: For using WEICON Contact follow strictly the physical, toxicological and ecological data and instructions according to our EC Safety Data Sheets and respect the relevant national safety regulations.

For more technical data please consult our current catalogue WEICON Contact Cyanoacrylate Adhesives.

### Accessories

Extra fine dosing tip for spot-applied bonding with WEICON Contact Cyanoacrylate Adhesives.



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