

## Technical Data Sheet

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### technicoll® 9554 Cyanoacrylate, viscous



#### Field of application

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technicoll® 9554 is viscous and suitable for adhesion of small area surface of plastics, rubbers (e.g. EPDM), metals and ceramics.

#### Note

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Cyanoacrylates polymerise very quickly by moisture and/or alkaline substances when joining the substrates. Curing speed depends highly on the type of the surface and climatic conditions, especially moisture.

#### Handling data and product data

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Base	ethyl ester
Viscosity (+20 °C)	approx. 1200 mPas
Density	approx. 1.1 g/cm <sup>3</sup>
Temperature resistance	approx. -50 °C to +90 °C
Colour	colourless
Way of application	one-sided
Processing temperature	+15 °C to +25 °C
Dilution	not possible
Cleaning agent / material	technicoll® 8363 technicoll® 9901 technicoll® 9902
Cleaning	Cured adhesive can be removed with technicoll® 9602.
Maximum time of storage	1 year when stored in sealed original packaging in cool and dry places.
Preferred storage temperature	+2 °C to +10 °C. Adhesive should be warmed up to room temperature before use.
Behaviour at low temperature	Densification at low temperature. Once adjusted to processing temperature: fully employable.

## Favoured substrates

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- rubber
- metals
- ceramics, porcelain
- PE, PP, POM, TPE (incl. pretreatment with primer technicoll® 9605-1)
- EPDM
- plastics (unplasticised)

Not suitable for: PTFE (Teflon®), silicone, PVC-p (faux leather)

Due to the large variety of possible materials and differences in adhesion behaviour hazard tests are mandatory before introducing the adhesive into the actual production process.

## Surface preparation

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Joint surfaces must be dry and clean, especially free of oil, grease or release agents.

## Curing time

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Initial strength is normally being achieved within:

Metal (steel) / metal (steel)	approx. 20 – 60 seconds
Elastomer (EPDM) / elastomer (EPDM)	approx. 2 – 6 seconds
Plastics (ABS) / plastics (ABS)	approx. 5 – 10 seconds

## Lap shear strength

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Steel / steel	13 – 20 N/mm <sup>2</sup>
NBR / NBR	material failure

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**Technical status: 22.12.2015**

Deviating information of earlier versions is invalid.

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### Special notice:

All information given on this data sheet is based on our knowledge and experience at the time of printing. The information is not binding. We advise to determine the suitability of our products with respect to their intended use and method of application. Therefore, a warranty claim cannot be granted.