

Technical Data Sheet

technicoll® 9221

Water based adhesive with high initial tack



Field of application

technicoll® 9221 is a water based adhesive with high initial tack. Use it to bond self-adhering textiles, foils, gaskets of rubber, foam materials and even PE, PP and EPDM.

Handling data and product data

Base	acrylate
Viscosity (+20 °C)	approx. 20000 mPas
Solid content	approx. 63 %
Density	approx. 1.0 g/cm ³
Colour	white, after drying lightly yellow
Setting time	approx. 30 to 60 minutes until changing from white to yellowish (depending on temperature, substrate and quantity of adhesive)
Way of application	one- and two sided
Processing temperature	+15 °C to +25 °C
Consumption	80 to 150 g/m ²
Dilution	not necessary, possible with water
Cleaning agent / material	technicoll® 8363 technicoll® 9902 (plastics cleaning spray)
Cleaning agent / tool	water or technicoll® 8362
Cleaning	Cured adhesive can only be removed mechanically
Maximum time of storage	At least 1 year when stored in sealed original packaging in cool and dry places.
Preferred storage temperature	+10 °C to +25 °C
Behaviour at low temperature	Frost susceptible. Do not store under +5 °C!

Favoured substrates

- textiles
- foam materials
- PE, PP
- derived timber products
- metals (primed, painted)
- foils
- paperboard, paper
- plastics
- rubber (EPDM)
- surfaces (primed, painted)

Not suitable for: PTFE (Teflon®), silicone, PVC-plasticised (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

Bonding surfaces must be dry and clean, especially free of oil, grease or release agents. In many cases, surface roughening prior to bonding improves strength of bonded joint.

Adhesion

Apply a thin layer of technicoll® 9221 with brush, trowel or roller to one side. In some cases, a two-sided application to the substrates may achieve higher strength. The curing time depends on the applied amount of the adhesive, the substrates' porosities and the climatic conditions. Drying time can be shortened by heat. While drying, the adhesive's colour turns from white to lightly yellow. Join the substrates together accurately after drying. Covered layers of adhesive by a protective sheet or release paper can be rolled up. The transfer matrix system has been tested for different materials, e.g. textiles or foam materials, where the adhesive is applied to the protective sheet, dried and then being transferred to the coated material.

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Deviating information of earlier versions is invalid.

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.