

Technical Data Sheet

technicoll® 9110

Contact adhesive for PE, PP, POM and substrates difficult to bond



Field of application

technicoll® 9110 is suitable for contact bonding of many plastics, especially for substrates difficult to bond like PE, PP and POM.

technicoll® 9110 is highly resistant to moisture, ageing and is characterized by a high initial tack and a long contact life.

Handling data and product data

Base	synthetic elastomers
Viscosity (+20 °C)	approx. 225 mPas
Density	approx. 0.80 g/cm ³
Colour	transparent
Drying time	> 10 minutes
Contact life	50 minutes
Way of application	two-sided
Application temperature	+15 °C to +25 °C
Consumption	150 - 200 g/m ² (two-sided application)
Temperature resistance	approx. -20 °C to +80 °C
Temperature of activation	approx. +80 °C
Final strength	> 3 days
Cleaning agent / material	technicoll® 8363 technicoll® 9901 (metal cleaning spray) technicoll® 9902 (plastics cleaning spray)
Cleaning agent / tool	technicoll® 8362, technicoll® 9901 (spray)
Cleaning	Cured adhesive can only be removed mechanically.
Maximum time of storage	At least 15 months when stored in sealed original packaging in cool and dry places.
Preferred storage temperature	+10 °C to +25 °C
Behaviour at low temperature	Not susceptible to frost. Densification at low temperature. Once adjusted to processing temperature: fully employable.
Safety recommendations	refer to MSDS
Packaging	290 g can, 760 g can, 3.8 kg can

Favoured substances

- PE (HDPE, LDPE) PP, POM
- PVC-n (unplasticised), PMMA, ABS, PS
- derived timber products
- metals (blank, coated)
- rubber
- PA, PET, PETG
- polyester
- GFRP, CFRP
- fabrics, leather, textile
- glass

Not suitable for: PE-films, PTFE (Teflon[®]), silicone, EPDM, plasticised materials (PVC-plasticised), faux leather, PS-rigid foam (e.g. Styrofoam[®])

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. It is recommended when working with rubber and metals.

Adhesion

Stir adhesive before use. Apply a thin layer of technicoll[®] 9110 equally to both sides of the bonding surface of the substrates (brush, spraying gun). After the application solvent needs to evaporate. The usual waiting time is just a few minutes. It depends on the applied amount of adhesive and the indoor climate. The right time for the bonding has come as soon as the applied adhesive does not pull strings anymore when touching with the finger, but still feels very sticky. Join the substrates together accurately and assemble quickly under high pressure. The good bond strength that is achieved immediately, usually allows further processing with the bonded substances right away. Wait for a couple of days before assessing the final strength.

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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.