# Technical Data Sheet

## technicoll® 9223

## Multipurpose water based adhesive

### Field of application

technicoll® 9223 has a strong tack. The cured adhesive film is transparent, flexible and has a high resistance to moisture. technicoll® 9223 is also suitable for lamination of aluminium foils.

### Handling data and product data

| | |
|---|---|
| Base | copolymer |
| Viscosity (+20 °C) | approx. 16000 mPas |
| Density | approx. 1.1 g/cm³ |
| Colour | white, after drying: transparent |
| Wet bonding life | approx. 2 – 3 minutes<br>(depending on temperature, substrate and quantity of adhesive) |
| Setting time | approx. 2 – 3 hours<br>(depending on temperature, substrate and quantity of adhesive) |
| Way of application | one-sided |
| Product supply | from pressure vessel or via free flow.<br>All parts in contact with the adhesive have to be made of stainless steel or plastic. Otherwise the adhesive might coagulate. |
| Processing temperature | +15 °C to +25 °C |
| Diluent | not necessary, possible with water |
| Cleaning agent / material | technicoll® 8363<br>technicoll® 9902 (plastics cleaning spray) |
| Cleaning agent / tool | water or technicoll® 8362 |
| Cleaning | Solid adhesive can only be removed mechanically. |
| Maximum time of storage | At least 7 months 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

- PVC-foils
- foamed films
- polyurethane foam material
- leather
- textiles
- cork
- paperboard, paper
- derived timber products
- aluminium foils

Not suitable for: PE, PP, PTFE (Teflon®), POM, silicone, EPDM

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

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

## Adhesion

Apply a thin layer of technicoll® 9223 with a brush to one side of the joint surfaces. Join the substrates together accurately and assemble under pressure until the adhesive has set. The curing time depends on the amount of applied adhesive, the substrates´ porosities and the climatic conditions. Drying time can be shortened by heat. Wait for a couple of days before assessing the final strength.





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