

Technical Data Sheet

technicoll® 8102

Flexible foam adhesive, sprayable, pink



Field of application

technicoll® 8102 is a sprayable contact adhesive for all standard upholstery materials. Fast tacking adhesive with high tack. Apply only a thin layer in order to achieve a high compound strength. After a short drying time, the compound strength is higher than the tearing strength of most kinds of foam materials.

Handling data and product data

Base	polychloroprene
Viscosity (+20 °C)	approx. 275 mPas
Solid content	approx. 15 %
Density	approx. 0.8 g/cm ³
Colour	pink
Drying time	approx. 1 to 3 minutes
Contact	approx. 10 to 15 minutes
Adhesion time	(depending on temperature, substrate and applied amount)
Cross-linking agent	with or without technicoll® 8355
Mixing ratio	100:3 (g/g)
Pot life	approx. 4 hours
Way of application	two-sided
Processing temperature	+15 °C to +25 °C
Consumption	150 - 250 g/m ² (two-sided application)
Diluent	not necessary, possible with technicoll® 8367
Cleaning agent / material	technicoll® 8367 technicoll® 9901 (metal cleaning spray) technicoll® 9902 (plastics cleaning spray)
Cleaning agent / tool	technicoll® 8367, technicoll® 9901 (spray)
Cleaning	Cured adhesive can only be removed mechanically.
Maximum time of storage	At least 1.5 years when stored cool and dry in closed original packaging.
Preferred storage temperature	+10 °C to +25 °C
Behaviour at low temperature	Non frost susceptible. Densification at low temperature. Once adjusted to processing temperature: fully employable.

Favoured substrates

- polyurethane foams
 - latex foams
- to each other as well as to
- upholstery fabrics, textiles
 - non-woven fabrics, cotton
 - plastics
 - polyurethane, faux leather
 - derived timber products
 - leather

Not suitable for: PE, PP, PTFE (Teflon®), POM, silicone, EPDM, PVC-p (faux leather), PS-u (e.g. Styropor®)

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 solvents. In many cases, surface roughening prior to bonding improves strength of bonded joint.

Crosslinking agent

Use technicoll® 8102 with or without the crosslinking agent technicoll® 8355. Adding the crosslinking agent increases the strength, especially with heat. It is advised when the substrates are energised and at the same time are exposed to heat.

Adhesion

Stir adhesive before use. Generally, technicoll® 8102 is applied on both sides equally in a thin layer (spray gun, brush). Porous, rough surfaces usually require a thicker application or a second coat after the first one has dried. The thinner the application is, the softer the bonding seam will be! Solvent has to evaporate after the application. Usually, the waiting time is only 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 adhesion does not pull strings anymore when touching with the finger, but still feels very sticky. Join the substrates together accurately and assemble by expending quick high pressure. In most cases, the immediate high compound strength allows a further processing of the bonded parts 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.