

technicoll® 9116 Contact adhesive for PS - rigid foams



Field of application

Bonding of polystyrene (PS, EPS, XPS, Styropor®, Styrodur®) – rigid foams and insulation materials, such as mineral fibre mats to metal, aluminum and different kinds of unplasticised polymeric films.

Handling data and product data

Base	rubber
Viscosity (+20 °C)	approx. 1700 mPas
Solid content	approx. 37 %
Density	approx. 0.8 g/cm ³
Colour	brownish – transparent
Drying time	approx. 1 to 3 minutes (depending on temperature, substrate and quantity of adhesive)
Contact life	approx. 10 to 15 minutes (depending on temperature, substrate and quantity of adhesive)
Way of application	two-sided
Application temperature	+15 °C to +25 °C
Consumption	150 - 250 g/m ²
Dilution	not necessary, possible with technicoll® 9921
Cleaning agent / material	technicoll® 9921
Cleaning agent / tool	technicoll® 9921
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	+15 °C to +25 °C
Behaviour at low temperature	Not susceptible to frost. Densification at low temperature. Once adjusted to processing temperature: fully employable.

Favoured substrates

- polystyrene - rigid foam (PS, EPS, XPS) Styropor®, Styrodur®
 - glass fibre mats
 - felt
 - mineral fibre mats
- to:
- metals
 - concrete, render
 - aluminum foil
 - derived timber products
 - polymeric films (unplasticised)

Not suitable for: PE, PP, PTFE (Teflon®), POM, silicone, EPDM, 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. It is recommended when working with rubber and metals.

Adhesion

Stir adhesive before use. Apply a thin layer of technicoll® 9116 equally to both sides of the bonding surface of the substrates (brush, trowel, closed roller). After 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 by expending quick high pressure. The good bond strength that is achieved immediately, usually allows further processing with the bonded substances right away. Final judgment of final curing strength and resistance can only be achieved after a couple of days!

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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.