

Technical Data Sheet

technicoll® 9711 Powerful 1-component adhesive/sealant



Field of application

technicoll® 9711 is a powerful, elastic 1-component adhesive and sealant for many different materials.

Special characteristics

High resistance to ageing, chemicals and temperature; paintable; almost odourless; elastic when set; high tensile strength, tear growth resistance; free of silicone.

Handling data and product data

Base	polyurethane
Viscosity (+23 °C)	paste-like
Density	approx. 1.2 g/cm ³
Curing	approx. 2 – 3 mm (24 hrs./+23 °C/50% humidity)
Shore A hardness	approx. 50
Colour	grey, black, white
Temperature resistance	-40 °C to +90 °C (temporarily up to +130 °C)
Elongation at break	approx. 500 %
Way of application	one-sided
Processing temperature	+5 °C to +35 °C
Diluent	not possible
Cleaning agent / material	technicoll® 8363 technicoll® 9901 (metal cleaning spray) technicoll® 9902 (plastics cleaning spray)
Cleaning agent / tool	water, technicoll® 9901 (spray)
Cleaning	Cured adhesive can only be removed mechanically.
Maximum time of storage	At least 12 months when stored cool and dry in closed original packaging.
Preferred storage temperature	+10 °C to +25 °C

Favoured substrates

- aluminium
- glass
- painted, coated surfaces
- plastics
- metal
- ceramics
- polyurethanes
- zinc
- derived timber products
- CFRP, GFRP

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

Joint 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

Cut cartridge above the thread, screw and bevel nozzle tip. Use a proper dispensing gun. Make sure that technicoll® 9711 is applied to the entire surface. Avoid air pockets. The amount of adhesive/sealant depends on the condition of the materials to be bonded. Curing is caused by humidity. It depends on the joint thickness, the relative humidity and temperature. Curing time can be shortened by higher temperatures and adding moisture.

technicoll® 9711 is not suitable for planar adhesions of two substrates that are not permeable to moisture (e.g. metal /metal).

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Deviating information of earlier versions is invalid.

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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.