

## Technical Data Sheet

### technicoll® 9700 Powerful 1-component hybrid-adhesive



#### Field of application

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technicoll® 9700 is a solvent free, powerful, elastic 1-component adhesive and sealant based on silane-terminated polymers (hybrid) for bonding many different materials.

#### Special characteristics

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

#### Handling data and product data

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Base	silane-terminated polymers
Viscosity (+23 °C)	paste-like
Density	approx. 1.4 g/cm <sup>3</sup>
Curing	approx. 2 – 3 mm (24 hrs./+23 °C/50% humidity)
Shore A hardness	approx. 55
Colour	grey, black, white, brown
Temperature resistance	-40 °C to +90 °C
Elongation at break	approx. 250 %
Movement capability	approx. 10 %
E-module (100% expansion)	approx. 1.3 N/mm <sup>2</sup>
Way of application	one-sided
Processing temperature	+5 °C to +40 °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

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- aluminium
- brass, copper
- derived timber products
- epoxy resins
- glass
- stainless steel
- ceramics
- polyurethanes
- painted, coated surfaces
- stone
- zinc
- PVC-unplasticised
- CFRP, GFRP
- paperboard

Not suitable for: PE, PP, PTFE (Teflon®), POM, silicone, EPDM, PVC-plasticised (faux leather), concrete

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

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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

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Cut cartridge above the thread, screw nozzle tip and bevel according to the application. Use a proper dispensing gun. Make sure that technicoll® 9700 is applied to the entire surface. Avoid air pockets. The amount of adhesive/sealant depends on the condition of the materials that will 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® 9700 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.