

## Technical Data Sheet

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### technicoll® 9707 RLT silver 1-component cleanroom-sealant



#### Field of application

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technicoll® 9707 is a metallic coloured, solvent-free, powerful hybrid adhesive for tension compensated bond and sealant for different kinds of materials indoor and outdoor - also in contact with water impact.

#### Certifications

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technicoll® 9707 is suitable for applications in RLT-systems according to VDI 6022, page 1 compliant with DIN EN ISO 846

#### Special characteristics

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High resistance to weather conditions, ageing, chemicals and temperature, curing also with high layer thickness, almost odourless, hard elastic - perfect for tension compensating bond, high impact strength, shear strength and tear growth resistance, resistant to UV light, free of isocyanates, solvents and silicones.

#### Handling data and product data

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Base	silane-terminated polymers
Viscosity (+23 °C)	steady
Density	1.1 g/cm <sup>3</sup>
Curing	approx. 2 – 3 mm (24 hrs. / +23 °C / 50 % humidity)
Skinning time	approx. 15 minutes (+23 °C / 50 % humidity)
Shore A hardness	approx. 40
Colour	silver (metallic coloured)
Temperature resistance	-40 °C to +90 °C
Elongation at break	approx. 280 %
E-module (100 % expansion)	approx. 3.1 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	Solid 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 (blank, anodized)
- brass, copper
- derived timber products
- epoxy resin
- glass (painted, enamelled)
- stainless steel
- ceramic, brick, tiles
- polyurethane
- painted, coated surfaces
- stone, natural stone
- zinc, zinc coated iron
- PVC-unplasticised
- CFK, GFK
- gypsum cardboard

Not suitable for: PE, PP, PTFE (Teflon®), POM, Silicone, EPDM, PVC-plasticised (faux leather)  
cellular concrete, sealant of copper under the influence of UV-/temperature

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.

## Adhesion

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Cut cartridge above the thread, screw nozzle tip and bevel according to the application. Use a proper dispensing gun. Hold the gun so the mass is pressed against the surface of the substrate in order to ensure a full-surface contact of the adhesive sealing material. Avoid air pockets. The amount of adhesive/sealant depends on the condition of the materials to be bond. 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® 9707 is not suitable for planar adhesions of two substrates that are not permeable to moisture (e.g. metal/ metal). At least one of the substrates has to be open to diffusion.

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**Technical status: 26.07.2016**

Deviating information of earlier versions is invalid.

page 2/2

### 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.