

technicoll® 9732 Silicone adhesive and sealant



Field of application

technicoll® 9732 (former name RUDERER S 32) is a high quality adhesive and sealant based on silicones. The adhesive has perfect mechanical characteristics for industrial applications.

Special characteristics

- self-levelling, low-viscous
- high flexibility
- very high notch resistance and tear resistance
- high temperature resistance from -40 °C to +200 °C
- for stress compensating bonding

Handling data and product data

Base	Silicone
Viscosity	approx. 65000 mPas
Density	1.1 g/cm ³
Skin forming time	approx. 15 minutes (+23 °C / 50 % humidity)
Shore Hardness A	approx. 30
Colour	transparent
Elongation at break	approx. 450 %
Tear growth resistance	approx. 9 N/mm
Tensile strength	approx. 6 N/mm ²
Way of application	one-sided
Processing temperature	+5 °C to +40 °C
Dilution	not possible
Cleaning agent / tool	technicoll® 8363 technicoll® 9901 (metal cleaning spray) technicoll® 9902 (plastics cleaning spray)
Cleaning	Solid adhesive can only be removed mechanically.
Maximum time of storage	At least 12 months when stored in sealed original packaging in cool and dry places.
Preferred storage temperature	+10 °C to +25 °C

Favoured substrates

- metals
- glass
- derived timber products
- plastics
- ceramics, brick, tiles
- painted, coated surfaces

Not suitable for: PE, PP, PTFE (Teflon®), POM, 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.

Pretreatment

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. It should be checked in each individual case, if it is necessary for wanted strength.

Application

Verify compatibility with the substrates before use. technicoll® 9732 reacts with humidity at room temperature to an elastic sealant. The higher the coat thickness is, the longer the curing time. During the cross-linking process, small amount of acetic acid and solvent is cleaved.

technicoll® 9732 is suitable for bonding two diffusion closed substrates, like e.g. metal/metal. At least one substrate has to be diffusible.

Technical status: 22.12.2015

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.