

Silicone-N Adhesive Sealant multicomp^{PRO}

RoHS
Compliant



Neutral-curing fungicidal

Silicone N adhesive and sealant is free of solvents, is neutrally vulcanizing, strong, permanently elastic, resistant to weathering, ageing and chemicals, temperature resistant up to +180°C (+356°F), extremely elastic (breaking elongation of approx. 550%) and can be used universally. Silicone N adheres very well to all metals, glass, ceramics, and many additional materials.

Silicone N can be used in plastic processing, the electrical industry, energy technology, the lighting industry, exhibition construction and shopfitting and in many additional industrial areas.

Technical Data

Base	: 1 Component - Polysiloxane (Oxime)
Density	: 1.01 g/cm ³
Viscosity adhesive	: Pasty
Stability/Run-off (ASTM D 2202)	: 1 mm
Processing temperature	: +5°C to +35°C
Curing type	: By humidity
Curing condition	: +5°C to +40°C and 30% to 95% rel. humidity
Skin-overtime*	: 7 min.
Curing speed (first 24h)*	: 2mm to 3mm
Volume change (DIN 52451)	: <-6 %
Gap filling up to max.	: 5mm
Gap width up to max.	: 25mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	: 12 months
Shore A hardness (DIN 53505 / ASTM D 224) ± 5	: 20
Elongation at break acc. to ISO 37, S3A	: 550%
Tensile strength acc. to ISO 37, S3A	: 1.5 N/mm ²
Tension strength value at 100 % (ISO 37, S3A)	: 0.4 N/mm ²
Movement capacity max.	: 25%
Overpaintable (liquid paint)	: No
Building material category (DIN 4102)	: B2
Temperature resistance	: -50°C to +180°C

*Measured at 50% relative air humidity and +23°C

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Surface pre-treatment

The surfaces must be clean and free of grease. Many surface contaminants, e.g. oil, dust and dirt, can be removed with Surface Cleaner. For heavily soiled metal surfaces, we recommend Cleaner Spray S; Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues. Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent (primer). Detailed information on this subject is contained in the primer selection table. A mechanical surface pre-treatment, e.g. sanding or sandblasting, can considerably improve the adhesion.

Processing

Application methods

Professional cartridge gun for 310 ml cartridges, compressed air gun (we recommend a variation with piston rod), automatic dosing systems.

Joining the parts to be bonded

To ensure optimal wetting, the parts must be joined before the first skin has been formed on the adhesive (skin-overtime).

Storage

When unopened and stored at room temperature (+23°C and 50 % rel. humidity), elastic one-component adhesives and sealants have a shelf life of 12 months.

Safety and health

When using products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

Part Number Table

Description	Part Number
Silicone Adhesive Sealant, Transparent, 310ml	MP004388

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