

Silicone N



neutral-curing

WEICON 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.

WEICON 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 C.-Polysiloxane (Oxime)
Density	1,01 g/cm ³
Viscosity adhesive	pasty
Stability/Run-off (ASTM D 222)	1 mm
Processing temperature	+5 to +35 °C
Curing type	By humidity
Curing condition	+5 to +40°C and 30% to 95% rel. humidity
Skin-overtime*	7 min.
Curing speed (first 24h)	2 -3 mm
Volume change (DIN 52451)	<-6 %
Gap filling up to max.	5 mm
Gap width up to max.	25 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Shore A hardness (DIN 5355 / 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 %

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Overpaintable (liquid paint)	No
Building material category (DIN 412)	B 2
Temperature resistance	-50 to +180 °C

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

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 WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend WEICON Cleaner Spray S; WEICON 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 sand-blasting, 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), WEICON elastic one-component adhesives and sealants have a shelf life of 12 months.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

13400310 Silicone N 310 ml transparent

Accessories:

13250000 Cartridge Cutter, 310 ml
 13250001 Cartridge Gun, 310 ml
 13250002 Cartridge Gun Special, 310 ml
 13250009 Compressed Air Cartridge Gun, 310 ml
 13955031 V-Joint Nozzle, 310 ml

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