

Silicone A



Acetate cross-linking fungicidal

WEICON Silicone A adhesive and sealant contains no solvents, has acetate-crosslinking properties, is strong, permanently elastic, resistant to ageing and chemicals, temperature resistant up to +180°C (+356°F), extremely elastic (breaking elongation >700%) and can be used universally. Silicone A adheres very well to steel, aluminium, glass, ceramics, and many additional materials.

WEICON Silicone A can be used in machine and system construction, ventilation and air conditioning systems, in the energy and electrical industry, in exhibition construction and shopfitting and in many additional industrial applications.

Technical Data

Composition	1 C.-Polysiloxane (Acetate)
density	1,03 g/cm ³
Viscosity adhesive	paste
Viscosity 0,5 (1/s)*	4210 Pa·s
Viscosity 50 (1/s)*	110 Pa·s
Stability/Run-off (ASTM D 222)	1 mm
Processing temperature	+5 to +35 °C
Cure type	by humidity
Curing condition	+5 to +40°C and 30% to 95% rel. humidity
Skin-overtime*	15 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)	15 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	20
Elongation at break acc. to ISO 37, S3A	700 %
Tensile strength acc. to ISO 37, S3A	1,4 N/mm ²

Note

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Tension strength value at 100 % (ISO 37, S3A)	0,3 N/mm ²
Movement capacity max.	25 %
Overpaintable (liquid paint)	No
Building material category (DIN 412)	B 2
Temperature resistance	-40 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

Processing cartridge

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

Processing tube

Squeeze out by hand, close tube again immediately after use, opened tubes should be used up as quickly as possible.

Joining the parts to be bonded

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

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 15 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:

13000085	Silicone A 85 ml transparent
13000310	Silicone A 310 ml transparent
13001310	Silicone A 310 ml white
13002310	Silicone A 310 ml grey
13003310	Silicone A 310 ml black

Accessories:

13250000	Cartridge Cutter, 310 ml
13250001	Cartridge Gun, 310 ml
13250002	Cartridge Gun Special, 310 ml

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Technical Datasheet

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13250009 Compressed Air Cartridge Gun, 310 ml
13955031 V-Joint Nozzle,

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