

Silicone A



Acetoxy curing | fungicidal

WEICON Silicone A is solvent-free, acetoxy-curing, 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 other materials. 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 other industrial applications.

Technical Data

Base	1-C. polysiloxane (acetate)	
Cure type	moisture-curing	
Stability/run-off	ASTM D 2202	1.0 mm
Viscosity	4.210 Pa·s (0,5 1/s)	
	110 Pa·s (50 1/s)	
Density	1,03 g/cm ³	
Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	
Processing temperature	+5°C to +35°C	
Curing speed	in the first 24 h	2 - 3 mm
Skin-over time	15 min.	
Gap bridging up to max.	5 mm	
Max. sealing joint width	25 mm	
Tensile strength	ISO 37 / S3A	1,4 N/mm ²
Elongation at break	ISO 37, S3A	700 %
Elongation at 100 %	ISO 37 S3A	0,3 N/mm ²
Movement absorption max.	25 %	
Volume change	DIN 52451	< -6 %
Hardness (Shore A)	DIN ISO 7619	20±5
Temperature resistance	-40°C to +180°C	
Thermal conductivity	0,2 W/m·K	
Building material class	DIN 4102	B 2
Shelf life	15 mon.	

Approvals / Guidelines

ISSA Code	75.628.28
IMPA Code	815207

Surface pre-treatment

Surfaces must be clean and free of grease. Many surface soiling, such as oil, grease, dust and dirt can be removed with WEICON

Surface Cleaner. For heavily soiled metal surfaces, we recommend Cleaner Spray S; for removing old colour residues or adhesive

residues, WEICON Sealant and Adhesive Remover is ideal. Most materials can be bonded to and among each other. For certain materials or special requirements, we recommend the use of a

bonding agent (primer). Mechanical surface pre-treatment e.g. by grinding or sanding can also improve the adhesion considerably.

Processing

Processing Cartridge gun for 310 ml cartridges, compressed air gun, we recommend a version with piston rod (WEICON Compressed Air Cartridge Gun), automatic dosing systems. Processing tube (only transparent) Squeeze out by hand Close tube again immediately after use, opened tubes should be used up as quickly as possible. Joining the components In order to guarantee and ideal wetting, the bonding parts need to be joined, before the adhesive skins over (skin-over time).

Storage

When unopened and stored in normal climate (+23°C and 50 % rel. air humidity), WEICON Elastic Adhesives and Sealants have a shelf life of 12 months.

Instructions for use

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

Accessories

10025241	V-Joint Nozzle, 1 PCE
10033114	Compressed Air Cartridge Gun, 1 PCE
10020751	Cartridge Gun Special, 1 PCE
10000441	Cartridge Gun, 1 PCE

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.

Silicone A

Available sizes

10000408	Silicone A, 85 ml, transparent
10000409	Silicone A, 310 ml, transparent
10000411	Silicone A, 310 ml, white
10000418	Silicone A, 310 ml, grey
10000423	Silicone A, 310 ml, black

To the product detail page:



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