

Silicone LP



Nonfood Compounds
Program Listed S2
Registration 158659

Acetoxy curing | drinking water approval

WEICON Silicone LP is an acetoxy curing and permanently elastic adhesive and sealant. It is resistant to chemicals, ageing, weathering and UV radiation and has a high temperature resistance up to +180 °C (+365 °F). It adheres very well to steel, aluminium, glass, plastics and many other materials.

Silicone LP was developed specially for use in sensitive areas. It can be used as sealant in the food and drinking water sector, for example in dairies, slaughterhouses, in the food and beverage production or in canteen kitchens.

Tested by the Ruhr Region Institute of Hygiene ("Hygiene-Institut des Ruhrgebiets") according to the Guideline for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW Guideline) by the Federal Environment Agency.

Technical Data

Base	1-C. polysiloxane (acetate)
Texture	pasty
Can be painted	no
Cure type	moisture-curing
Stability/run-off	ASTM D 2202
Density	1,0 mm
Curing condition	from +5°C to +40°C and 30% to 95% relative air humidity
Processing temperature	+5°C to +35°C
Curing speed	in the first 24 h
Skin-over time	2-3 mm
Gap bridging up to max.	10 min.
Max. sealing joint width	5 mm
Tensile strength	ISO 37
Elongation at break	1,4 N/mm²
Elongation at 100 %	575 %
Movement absorption max.	0,5 N/mm²
Volume change	ISO 37
Hardness (Shore A)	25
Temperature resistance	DIN ISO 7619
Thermal conductivity	-40°C to +180°C
Building material class	DIN 4102
Minimum shelf life	at room temperature
Approvals / Guidelines	
NSF	S2 (FDA 21 CFR)
Hygiene Institute	UBA silicone transition recommendation

Surface Pre-Treatment

Surfaces must be clean and free of grease. Many surface soilings, 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.

Application

Application methods

Cartridge gun for 310 ml cartridges, compressed air gun, we recommend a version with piston rod (WEICON Compressed Air Cartridge Gun), automatic dosing systems.

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

Store in the unopened original container at room temperature. Avoid sources of heat and direct sunlight.

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.

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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
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent

Available sizes

- 10104989 Silicone LP, 280 ml (plastic bag), transparent
- 10104979 Silicone LP, 280 ml (plastic bag), white
- 10104995 Silicone LP, 280 ml (Set), transparent
- 10104985 Silicone LP, 280 ml (Set), white
- 10104992 Silicone LP, 280 ml (Green Tube), transparent
- 10104982 Silicone LP, 280 ml (Green Tube), white

Conversion table

(°C x 1.8) + 32 = °F	Nm x 8.851 = lb·in
mm/25.4 = inch	Nm x 0.738 = lb·ft
µm/25.4 = mil	Nm x 141.62 = oz·in
N x 0.225 = lb	mPa·s = cP
N/mm² x 145 = psi	N/cm x 0.571 = lb/in
MPa x 145 = psi	kV/mm x 25.4 = V/mil

To the product detail page:



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