

# Silicone LP



## NSF-P1 acetoxo curing

WEICON Silicone LP is an acetoxo curing and permanently elastic adhesive and sealant. It is resistant to chemicals, ageing, weathering and UV radiation and it 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 Uhrgebiets") 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 (Acetat)
Colour	white
density	1 g/cm <sup>3</sup>
Viscosity adhesive	pasty
Stability/Run-off (ASTM D 222)	1 mm
Processing temperature	+5 to +35* (+41 bis +95°F) °C
Cure type	By humidity
Curing condition	+5 to +40°C and 30% to 95% rel. Humidity
Skin-overtime*	10 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

### 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.

Shore A hardness (DIN 5355 / ASTM D 224) ± 5	25
Elongation at break acc. to ISO 37, S3A	575 %
Tensile strength acc. to ISO 37, S3A	1,4 N/mm <sup>2</sup>
Tension strength value at 100 % (ISO37, S3A)	0,5 N/mm <sup>2</sup>
Movement capacity max.	25 %
Overpaintable (liquid paint)	No
Building material category (DIN 412)	B 2
Temperature resistance	-40 to +180 (-40 to +356°F) °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](http://www.weicon.com)) must be observed.

## Available sizes:

13009310 Silicone LP 310 ml

## Accessories:

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

WEICON GmbH & Co. KG  
(Headquarters)  
Germany  
phone +49 (0) 251 9322 0  
info@weicon.de  
www.weicon.de

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae  
www.weicon.ae

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca  
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Turkey  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr  
www.weicon.com.tr

**DANLUBE A/S**  
Tune Parkvej 5  
DK-4030 Tune  
Denmark  
+45 70 25 12 80  
[info@danlube.dk](mailto:info@danlube.dk)  
[www.danlube.dk](http://www.danlube.dk)

WEICON SA (Pty) Ltd  
South Africa  
phone +27 (0) 21 709 0088  
info@weicon.co.za  
www.weicon.co.za

WEICON South East Asia Pte Ltd  
Singapore  
phone (+65) 6710 7671  
info@weicon.com.sg  
www.weicon.com.sg

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz  
www.weicon.cz

WEICON Ibérica S.L.  
Spain  
phone +34 (0) 914 7997 34  
info@weicon.es  
www.weicon.es