

# Silicone LP



## NSF-P1, acetox curing

WEICON Silicone LP is an acetox 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

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|--|---|
| Base   | 1-C. polysiloxane (acetate)                             |
| Density  | 1 g/cm <sup>3</sup>                                     |
| Viscosity  | pasty   |
| Stability/run-off (ASTM D 2202) mm:                    | 1   |
| Processing temperature:                                | +5°C to +35°C* (+41 to +95°F)                           |
| Cure type:   | moisture-curing   |
| Curing conditions:                                     | from +5°C to +40°C and 30% to 95% relative air humidity |
| Skin-over time (minutes):                              | 10  |
| Curing speed:  | 2-3 mm in the first 24 h                                |
| Volume change (DIN 52451) %:                           | < -6 %  |
| Gab bridging up to max. mm:                            | 5   |
| Sealing joint up to max. mm:                           | 25  |
| Lagerstabilität Monate: +5°C bis +25°C (+41 bis +77°F) | 12  |
| Shore-Härte A (DIN 53505 / ASTM D 2240):               | 25  |
| Elongation at break acc. to ISO 37, S3A [%]            | 575   |
| Tensile strength acc. to ISO 37, S3A                   | 1.4 N/mm <sup>2</sup> (200 psi)                         |
| Elongation at 100 % acc. to ISO 37, S3A                | 0.5 N/mm <sup>2</sup> (70 psi)                          |
| Movement absorption max. %:                            | 25  |
| Temperature resistance:                                | -40°C bis +180°C (-40 bis +356°F)                       |
| Paintable:   | not paintable   |
| Building material category (DIN 4102):                 | B 2   |

\*Gemessen bei 50% relativer Luftfeuchtigkeit und +23°C.

### 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.

### Application

Application methods:

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

Joining the bonding parts:

In order to guarantee and ideal wetting, the parts to be bonded 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 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:

13009310 Silicone LP 310 ml white

### Accessories:

13250001 Cartridge Gun  
 13250002 Cartridge Gun Special Compressed  
 13250009 Air Cartridge Gun  
 13955031 V-Joint Nozzle

#### 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.