

WEICONLOCK® SI 303-31 Pipe and thread sealing



high viscosity
low strength
easy disassembly

Low strength, permanently elastic pipe and thread sealing for cold and warm water-carrying plastic and metal pipes. It is suitable for sealings in sensitive areas, such as the food industry or drinking water areas.

WEICONLOCK SI 303-31 is an acetate-curing 1-component silicone sealant with a good chemical resistance against diluted acids and lyes. The sealant is suitable for plastic threads and plastic / metal combinations and has a high notch and tear strength. SI 303-31 has a very good weathering, ageing and UV radiation resistance.

The sealant is suitable for many industrial areas, like the food industry, e.g. in dairies and slaughterhouses, in beverage and food production, in canteen kitchens and many more.

SI 303-31 can be used for sealings on ceramic surfaces in drinking water areas and for sealing plastic thread connections of cold and warm water-carrying plastic pipes.

Approval for contact with drinking water according to KTW Guideline of the Federal Environmental Agency.

*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8.d Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

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

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

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) must be observed.

Available sizes:

30331085 WEICONLOCK® SI 303-31 Pipe and thread sealing 85 ml



Technical Data

Colour	white
For threaded joints up to	M 80 R 3"
Max. gap bridging	0,5 mm
Breakaway strength (Thread)	< 1,5 Nm
Prevailing strength	< 0,5 Nm
Shear strength Nmm ² (DIN 54452)	< 1 N/mm ²
Temperature resistance	-40 to +180 °C
Handling strength at room temperature	24 h
Final strength (100%) after	72 h

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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