

Flex 310 M® Stainless Steel



For stainless steel, aluminium and non-ferrous metals | ISEGA-certified

WEICON Flex 310 M Stainless-Steel Adhesive and Sealant is non-corrosive, strong, paintable (wet in wet), sandable, resistant to ageing and UV radiation and is free of silicone, isocyanate, halogens or solvents. The product as an ISEGA certificate and can be used as an adhesive in the food technology. Flex 310 M Stainless Steel is an elastic adhesive based on MS polymer and is suitable for bondings as well as seam and joint sealing on metals, such as stainless steel, aluminium and non-ferrous metals. It can also be used in all application areas where the colour of the adhesive and sealant must match the surface material (e. g. stainless steel, aluminium, etc.). WEICON Flex 310 M Stainless-Steel can be used in metal construction, tank and apparatus engineering, in the food industry, in kitchen and sanitary installations, ventilation and air conditioning systems, and in all applications where silicones or products containing silicones are not suitable.

Technical Data

Base	1-C. MS polymer
Texture	pasty
Cure type	moisture-curing
Stability/run-off	ASTM D 2202
Density	1,08 g/cm ³
Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity
Processing temperature	+5°C to +30°C
Curing speed	in the first 24 h
Skin-over time	3 mm
Gap bridging up to max.	15 min.
Max. sealing joint width	5 mm
Tensile strength	ISO 37 / S3A
Tensile strength of the pure adhesive and sealant	ISO 37
Elongation at break (tensile)	DIN 53504/ASTM D412
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	3,1 N/mm ²
Tear resistance	DIN 53515 / ASTM D 1002
Volume change	11 kN/m
Hardness (Shore A)	DIN ISO 7619
Temperature resistance	-40°C to +90°C (briefly up to +120°C)
Building material class	DIN 4102
Minimum shelf life	at room temperature
Approvals / Guidelines	
ISSA Code	75.634.33
IMPA Code	815274
MIL-Spec	complies with
MIL-A-101A	

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).

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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Storage

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

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

- 10104890 Flex 310 M® Stainless Steel, 280 ml (plastic bag)
- 10104893 Flex 310 M® Stainless Steel, 280 ml (Green Tube)
- 10104896 Flex 310 M® Stainless Steel, 280 ml (plastic bag)

To the product detail page:



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