

Flex 310 M® 2 K



Fast-curing

WEICON Flex 310 M® 2 K is very strong, non-corrosive, paintable (wet-on-wet), sandable, weather-resistant, resistant to UV rays and is free of silicone, isocyanate and solvents.

This adhesive and sealant is a strong 2-component system based on hybrid polymer, which enables full-surface bonding of larger parts and which can be used to fill gaps of up to ten millimetres. Flex 310 M® 2 K is suitable for the bonding of almost all materials such as metal and many plastics.

It can be used in metal construction, tank and apparatus engineering, machine and system construction, in the furniture industry, in ventilation and air conditioning systems, in the electrical industry, yacht and boat construction, and in all applications where silicones or products containing silicones are not suitable.

Technical Data

Base	2-C hybrid polymer
Colour	grey
Texture	stable paste
Cure type	chemical polymerisation
Density	1,4 g/cm³
Processing temperature	+5°C to 35°C
Pot life	at 23 °C, 50 % rel. air humidity
Mechanical strength after	60 min.
Final strength	at room temperature
Gap bridging up to max.	10 mm
Tensile strength	ISO 37 / S3A
Tensile strength of the pure adhesive and sealant	ISO 37
Elongation at break (tensile)	DIN EN ISO 527-2
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,3 N/mm²
Volume change	DIN 52451
Hardness (Shore A)	DIN ISO 7619
Temperature resistance	-40°C to +90°C
Building material class	DIN 4102
Minimum shelf life	at room temperature
12 mon.	

Approvals / Guidelines

ISSA Code	75.510.01
IMPA Code	812955
MIL-Spec	complies with MIL-A-101A

Surface Pre-Treatment

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

Coax Cartridge: (Flex 310 M® 2 K, 250 ml, grey)

The special Coax Cartridge is delivered together with a static mixer and can be applied using standard cartridge guns. We recommend using the WEICON Cartridge Gun "Special", Art. No.: 10020751. Discard the first 5-8 cm of the dispensed bead. The adhesive may be applied on one side.

Double Cartridge: (Flex 310 M® 2 K, 400 ml, grey)

Flex 310 M 2 K is delivered together with a static mixer and can be applied from the 400 ml double cartridge using a suitable dispenser. When working with the cartridge, we recommend using the WEICON Dispenser Easy-Mix D 400, Art. No. 10028608. Discard the first 5-8 cm of the dispensed bead. The adhesive is applied on one side only.

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.

Flex 310 M® 2 K

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

- 10028608 Dispenser Easy-Mix D 400, 1 PCE
- 10033114 Compressed Air Cartridge Gun, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE
- 10059795 Pressure gun battery gun NCG03, 1 PCE
- 10068334 Cartridge gun VBA (MR) 400A Alu Frame, 1 PCE
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent

Available sizes

- 10027733 Flex 310 M® 2 K, 250 ml, grey
- 10062232 Flex 310 M® 2 K, 400 ml, grey

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