

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/cm ³	
Processing temperature	+5°C to 35°C	
Pot life	at 23 °C, 50 % rel. air humidity	10 min.
Mechanical strength after	60 min.	
Final strength	at room temperature	24 h
Gap bridging up to max.	10 mm	
Tensile strength	ISO 37 / S3A	2,2 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	2,2 N/mm ²
Elongation at break (tensile)	DIN EN ISO 527-2	350 %
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,3 N/mm ²	
Volume change	DIN 52451	1 %
Hardness (Shore A)	DIN ISO 7619	40±5
Temperature resistance	-40°C to +90°C	
Building material class	DIN 4102	B 2

Approvals / Guidelines

ISSA Code	75.510.01
IMPA Code	812955

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.

Processing

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.

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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 12 months.

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

10027692	Special Mixing Nozzle, 1 PCE, grey
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

Available sizes

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

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