

# Flex 310 M<sup>®</sup> 2 K



fast-curing

The WEICON Flex 310 M 2 K adhesive and sealant is very strong, non-corrosive, overpaintable (wet in wet), sandable, weather-resistant, resistant to UV rays and is free of silicone, isocyanate, or solvents.

Flex 310 M 2 K is a strong 2-component system on a hybrid polymer basis which enables fullsurface bonding of larger parts and which can be used to fill gaps of up to ten millimetres. It is suitable for the bonding of almost all materials such as metal and many plastics.

WEICON Flex 310 M 2 K 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

Basis	2-K-hybrid polymer
Density	1,40 g/cm <sup>3</sup>
Viscosity	solid paste
Processing temperature	+5 bis +35 °C
Pot life (at +23°C and 50% rel. air humidity) *	approx. 5 min.
Working time *	approx. 10 min.
Set to load bearing *	approx. 60 min.
Cure type	chemical polymerisation
Volume change (DIN 52451)	ca. -1 %
Gap filling up to max.	10 mm
Shore Hardness A (DIN 53505 / ASTM D 2240) ± 5	40
Elongation at break (DIN 53504 / ASTM D 412)	350 %
Tensile strength of the pure adhesive/sealant	2,2 N/mm <sup>2</sup>
Average tensile shear strength (DIN 53283/ASTM D 1002)	1,3 N/mm <sup>2</sup>
Temperature resistance	-40 bis +90 °C
Building material category (DIN 4102)	B 2 (Normally inflammable)

\*Measured at 50% relative air humidity and +23°C

## Pretreatment of the surface

The surfaces must be clean and grease-free. 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 pretreatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

## Processing

The special coax cartridge with the included static mixer can be used with the help of commercial cartridge guns. We recommend the use of the WEICON Cartridge gun "special", art. No. 13250002. Reject the first 5 – 8 cm of the dosed bead. The adhesive may be applied to only one of the surfaces to be bonded.

## Storage

When unopened and stored in a normal climate (+23°C and 50 % rel. humidity), WEICON elastic one-component adhesives and sealants have a shelf life of 12 months.

## Note

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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.

## Health and Safety

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

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