

WEICON Flex 310 M Hybrid



universally applicable, strong and flexible adhesive and sealant

Universally applicable, permanently elastic, fast-curing and strong 1-component SMP-based adhesive and sealant. Neutral cross-linking, absolutely weather-resistant, odourless and very low emission: free of silicone, isocyanate and solvents.

WEICON Flex 310 M Hybrid adheres very well even to powder-coated, galvanised, anodised, chromated as well as hot-dip galvanised surfaces. Range of adhesion: metal, plastics, natural stone, concrete, masonry, plaster, wooden floors, glass and much more.

The adhesive and sealant can be used in industrial areas, such as in tank and apparatus construction, in car body, container and vehicle construction, in pipeline and fittings construction, in the energy and electrical industries, in insulation technology and in plastics technology.

In addition, WEICON Flex 310 M Hybrid has a high mould resistance and is compatible with natural stone. This means that the sealant can be used in many areas, such as in the sanitary sector or in the construction industry.

Technical Data

Base	1 K- MS-Polymer	
Colour	grey	
Cure type	moisture-curing	
Texture	pasty	
Stability/run-off	≤ 3 mm	
Density	(+20°C) DIN 51757	1,5 g/cm ³
Curing condition	from +5 °C to +40 °C and 30% to 95% rel. air humidity	
Processing temperature	+5 °C to +40 °C	
Curing speed	in the first 24 h	2 - 3 mm
Skin-over time	10 min.	
Gap bridging up to max.	5 mm	
Max. sealing joint width	40 mm	
Tensile strength	ISO 37	1,3 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	500 %
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,4 N/mm ²	
Movement absorption max.	20 %	
Hardness (Shore A)	DIN 53505	32
Temperature resistance	-40 °C to +90 °C	
Building material class	EN 13501-1	E
Shelf life	12 mon.	

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.

Processing

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 an ideal wetting, the bonding parts need to be joined, before the adhesive skins over (skin-over time).

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.

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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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

Available sizes

- 10067875 WEICON Flex 310 M Hybrid, 310 ml, grey

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



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