

# Flex 310 M<sup>®</sup> 2 K



## Fast-curing

WEICON Flex 310 M<sup>®</sup> 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<sup>®</sup> 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.

### Characteristics

Base	2-C hybrid polymer	
Texture	stable paste	
Colour	grey	
Cure type	chemical polymerisation	
Building material class	DIN 4102	B 2
Minimum shelf life	at room temperature	12 mon.

### Processing

Density	1,4 g/cm <sup>3</sup>	
Gap bridging up to max.	10 mm	

### Curing

Pot life	at 23 °C, 50 % rel. air humidity	10 min.
Mechanical strength after		60 min.
Final strength	at room temperature	24 h

### Mechanical properties after curing

Tensile strength	ISO 37	2,2 N/mm <sup>2</sup>
Elongation at break (tensile)	DIN EN ISO 527-2	350 %
Hardness (Shore A)	DIN ISO 7619	40±5
Shear strength according to DIN EN 1465		
Medium lap shear strength (DIN EN 1465/ASTM D 1002)		1,3 N/mm <sup>2</sup>
Volume change	DIN 52451	1 %

### Thermal parameters

Temperature resistance	-40°C to +90°C
------------------------	----------------

### 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.

## Application

Coax Cartridge: (Flex 310 M<sup>®</sup> 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<sup>®</sup> 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.

## 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](http://www.weicon.com)) must be observed.

### 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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

WEICON Romania SRL  
Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

WEICON Ibérica S.L.  
Spain  
phone +34 (0) 914 7997 34  
info@weicon.es

WEICON Italia S.r.l.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

WEICON SA (Pty) Ltd  
South Africa  
phone +27 (0) 21 709 0088  
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr

# Flex 310 M<sup>®</sup> 2 K

## Accessories

10028608	Dispenser Easy-Mix D 400, 1 PCE
10059792	Pressure gun Airflow 3, 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 <sup>®</sup> 2 K, 250 ml, grey
10062232	Flex 310 M <sup>®</sup> 2 K, 400 ml, grey

To the product detail page:



### 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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

WEICON Romania SRL  
Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

WEICON Ibérica S.L.  
Spain  
phone +34 (0) 914 7997 34  
info@weicon.es

WEICON Italia S.r.L.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

WEICON SA (Pty) Ltd  
South Africa  
phone +27 (0) 21 709 0088  
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr