

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 | 10 min. |
| Mechanical strength after | 60 min. | |
| Gap bridging up to max. | 10 mm | |
| Tensile strength | ISO 37 / S3A | 2,2 N/mm² |
| Tensile strength of the pure adhesive and sealant | ISO 37 | 2,2 N/mm² |
| Medium lap shear strength (DIN EN 1465/ASTM D 1002) | 1,3 N/mm² | |
| 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 |
| Shelf life | 12 mon. | |

Approvals / Guidelines

| | |
|-----------|-----------|
| ISSA Code | 75.510.01 |
| IMPA Code | 812955 |

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

The special coax-cartridge with the included static mixer can be processed with customary cartridge guns. We recommend using the WEICON Cartridge Gun “Special” (Article no.: 13250002) Dismiss the first 5-8 cm of the adhesive bead. The adhesive can be applied to just one side.

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.

Safety and health

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.

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 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) 10 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.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr

Flex 310 M[®] 2 K

Accessories

| | |
|----------|--|
| 13309997 | Special Mixing Nozzle, 1 PCE |
| 10653400 | Dispenser Easy-Mix D 400, 1 PCE |
| 13250009 | Compressed Air Cartridge Gun, 1 PCE |
| 13250002 | Cartridge Gun Special, 1 PCE |
| 13250001 | Cartridge Gun, 1 PCE |
| 22100310 | Pressure gun battery gun NCG03, 1 PCE |
| 21200495 | Cartridge gun VBA (MR) 400A Alu Frame, 1 PCE |

Available sizes

| | |
|----------|---|
| 13305250 | Flex 310 M [®] 2 K, 250 ml, grey |
| 13305400 | Flex 310 M [®] 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 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.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr