

WEICON Green Tube Flex 310 M F1X



strong adhesion | universally applicable | isocyanate-free

WEICON Flex 310 M F1X is an elastic adhesive and sealant based on MS polymer. The grey adhesive is very strong and universally suitable for permanently fixing almost all materials to a variety of surfaces. Thanks to the very high initial adhesion, bonding is possible on vertical surfaces and even overhead, both indoors and outdoors. For example, Flex 310 M F1X can be used to bond metals, many plastics, ceramics, wood, glass and stone to each other.

The permanently elastic adhesive can be painted over “wet on wet”, is sandable, weather-resistant, moisture-resistant, ageing-resistant, mould-resistant and UV-resistant. It is briefly (up to 30 minutes) resistant to temperatures up to 180°C and can be powder-coated after a curing time of four days.

The adhesive and sealant is free of silicone, isocyanates, halogens and solvents and is non-corrosive.

Flex 310 M F1X can be used for fixing skirting boards, acoustic panels, strips, frames, panels, boards, tiles, stones and EPDM foil.

It can be used in drywall and interior construction, metal construction, tank and apparatus construction, container construction, ventilation and air conditioning technology, trade fair and shop construction, yacht and boat building and wherever silicones or products containing silicone are not suitable.

Elastic adhesives and sealants MS-Polymers

Technical Data

Base	1-C. MS polymer	
Colour	grey	
Paintable	only "wet on wet" within 3 h at the latest	
Cure type	moisture-curing	
Texture	pasty	
Stability/run-off	1 mm	
Density	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.	10 mm	
Max. sealing joint width	30 mm	
Tensile strength	DIN EN ISO 527-2	1,6 N/mm ²
Elongation at break (tensile)	DIN EN ISO 527-2	121 %
Shear strength according to DIN EN 1465		
	Galvanized steel	1,5 N/mm ²
	Aluminium sandblasted	1,6 N/mm ²
	Stainless steel V2A sandblasted	1,5 N/mm ²
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,5 N/mm ²	
Tear resistance	DIN 53515 / ASTM D 1002	13 kN/m
Volume change	DIN 52451	-2 %
Hardness (Shore A)	DIN ISO 7619-1	56
E-modulus (tensile)	DIN EN ISO 527-2	0,7 N/mm ²
Temperature resistance	-40°C to +90°C (30 min. +180 °C)	
Building material class	DIN 4102	B 2
Shelf life	18 mon.	

Surface Pre-Treatment

The surfaces must be clean and free of grease. Many surface contaminants, such as oil, grease, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend the use of WEICON Cleaner Spray S.

WEICON Sealant and Adhesive Remover is suitable for removing old paint residues or adhesive residues. Most materials can be bonded to each other. For certain materials or special requirements, we recommend the use of a bonding agent (primer) or of WEICON Activating Cleaner. Mechanical surface pre-treatment, e.g. by grinding or sandblasting, can also significantly improve adhesion.

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.

Remove the lid and cartridge tip. Then carefully cut open the foil bag directly below the clip. Put the lid back on and screw on the tip. Cut the tip of the cartridge to the desired joint width. The cartridge can now be processed with the cartridge gun.

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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MS-Polymers

Joining the components

To ensure optimum wetting, the bonded parts must be joined before the first skin has formed on the adhesive (skin formation time).

Storage

WEICON elastic adhesives and sealants have a shelf life of 12 months if stored unopened in a normal climate (+23 °C and 50 % relative humidity).

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

- 10101992 Clip nozzle Green Tube transparent, 1 PCE
- 10025241 V-Joint Nozzle, 1 PCE
- 10033114 Compressed Air Cartridge Gun, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE
- 10024313 Surface Cleaner, 400 ml, transparent
- 10000147 Cleaner Spray S, 500 ml, transparent
- 10062859 Activating Cleaner, 400 ml, transparent

Available sizes

- 10102385 WEICON Green Tube Flex 310 M F1X, 280 ml, grey

Conversion table

(°C x 1.8) + 32 = °F	Nm x 8.851 = lb·in
mm/25.4 = inch	Nm x 0.738 = lb·ft
µm/25.4 = mil	Nm x 141.62 = oz·in
N x 0.225 = lb	mPa·s = cP
N/mm ² x 145 = psi	N/cm x 0.571 = lb/in
MPa x 145 = psi	kV/mm x 25.4 = V/mil

To the product detail page:



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