

Flex 310 M[®] Classic MS-Polymer



Suitable for universal use | ISEGA-certified

WEICON Flex 310 M Classic is strong, paintable (wet-on-wet), sandable, has an outstanding resistance to ageing and good resistance to UV rays. It is resistant to fresh and salt water and is free of silicone, isocyanate, halogens and solvents. The product as an ISEGA certificate and can be used as an adhesive in the food technology. Flex 310 M Classic is an elastic adhesive based on MS polymer and is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone. This adhesive and sealant can be used in metal construction, tank and apparatus engineering, carriage, vehicle and container construction, 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	1 C. polyoxypropylene	
Cure type	moisture-curing	
Standfestigkeit_Ablauf	ASTM D 2202	1.0 mm
Density	1,44 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	25 min.	
Gap bridging up to max.	5 mm	
Max. sealing joint width	25 mm	
Tensile strength	ISO 37 / S3A	3,3 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	3,3 N/mm ²
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	2,1 N/mm ²	
Tear resistance	DIN 53515 / ASTM D 1002	20 kN/m
Volume change	DIN 52451	-1 %
Hardness (Shore A)	DIN ISO 7619	42±5
Temperature resistance	-40 °C to +90 °C, briefly up to +130 °C	
Tg after curing at room temperature	~ -55 °C	
Resistance	2.3 mm layer thickness	1,0 x 10 ¹⁰ Ω·m
Specific resistance	> 10 ¹⁰ Ω·cm	
Kriechstromfestigkeit	DIN EN 60112	CTI 800
Building material class	DIN 4102	B 2
Shelf life	12 mon.	

Approvals / Guidelines

ISSA Code	75.634.30/31/32
IMPA Code	815271/72/73

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.

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

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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Elastic adhesives and sealants
MS-Polymers

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.

Accessories

- 13955031 V-Joint Nozzle, 1 PCE
- 13250009 Compressed Air Cartridge Gun, 1 PCE
- 13250002 Cartridge Gun Special, 1 PCE
- 13250001 Cartridge Gun, 1 PCE

Available sizes

- 13303200 Flex 310 M[®] Classic MS-Polymer, 200 ml, white
- 13303310 Flex 310 M[®] Classic MS-Polymer, 310 ml, white
- 13304200 Flex 310 M[®] Classic MS-Polymer, 200 ml, black
- 13304310 Flex 310 M[®] Classic MS-Polymer, 310 ml, black
- 13305200 Flex 310 M[®] Classic MS-Polymer, 200 ml, grey
- 13305310 Flex 310 M[®] Classic MS-Polymer, 310 ml, grey

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