

Flex 310 M[®] Crystal MS-Polymer



Crystal-clear after curing | ISEGA-certified

WEICON Flex 310 M Crystal is transparent, strong, paintable (wet-on-wet), sandable, has an outstanding resistance to ageing and good resistance to UV rays. It contains no silicone, isocyanate, halogens or solvents. It has an ISEGA certificate and can be used as an adhesive in the food technology. Flex 310 M Crystal is an elastic adhesive suitable for bonding glass, PC* and acrylic glass*, metals, many plastics, ceramics, wood and stone. The product is crystal clear after curing and is particularly suited for elastic joints where the adhesive should or must not be visible. It can be used in plastic processing, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, the electrical and lighting industry, in exhibition stand construction and shopfitting, and in all applications where silicones or products containing silicones are not suitable. (* = only for tension-free bonding)

Technical Data

Base	1 C. polyoxypropylene	
Colour	transparent	
Cure type	moisture-curing	
Standfestigkeit_Ablauf	ASTM D 2202	1.0 mm
Density	1,06 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	25 mm	
Tensile strength	ISO 37 / S3A	3 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	3 N/mm ²
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	2 N/mm ²	
Tear resistance	DIN 53515 / ASTM D 1002	19 kN/m
Volume change	DIN 52451	-1 %
Hardness (Shore A)	DIN ISO 7619	40±5
Temperature resistance	-40 °C to briefly +90 °C (approx. 2 h) +120 °C	
Resistance	1,2 x 10 ¹² Ω·m	
Specific resistance	1,2 x 10 ¹² Ω·cm	
Building material class	DIN 4102	B 2
Shelf life	12 mon.	

Zulassungen / Richtlinien

IMPA Code	812910
ISSA Code	75.509.22

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.

Flex 310 M[®] Crystal MS-Polymer

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:

- 13308310 Flex 310 M[®] Crystal MS-Polymer, 310 ml, transparent
- 13308200 Flex 310 M[®] Crystal MS-Polymer, 200 ml, transparent

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