

Aqua-Flex MS-Polymer



Adheres to wet and moist surfaces | ISEGA-certified

WEICON Aqua-Flex is strong, paintable (wet-on-wet), has an outstanding resistance to ageing and is resistant to weathering, UV rays as well as fresh and salt water. It 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. Aqua-Flex is an elastic adhesive and sealant based on MS polymer for wet and damp surfaces. It is suitable for the bonding of numerous materials, such as metal, plastics, ceramics, wood, glass and stone. The adhesive and sealant can be used for pipeline and cable work, tank and apparatus engineering, in ventilation and air conditioning systems, gardening and landscaping, in sanitary installations 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
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
Skin-over time	25 min.
Gap bridging up to max.	5 mm
Max. sealing joint width	25 mm
Tensile strength	ISO 37 / S3A
Tensile strength of the pure adhesive and sealant	ISO 37
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	2,1 N/mm ²
Tear resistance	DIN 53515 / ASTM D 1002
Volume change	DIN 52451
Hardness (Shore A)	DIN ISO 7619
Temperature resistance	-40 °C to briefly +90 °C (approx. 2 h) +130 °C
Building material class	DIN 4102
Shelf life	12 mon.

Zulassungen / Richtlinien

IMPA Code	815279/80/81
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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. In order to guarantee and ideal wetting, the bonding parts need to be joined, before the adhesive skins over (skin-over time).

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.

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

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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:

13700310	Aqua-Flex MS-Polymer, 310 ml, white
13701310	Aqua-Flex MS-Polymer, 310 ml, black
13702310	Aqua-Flex MS-Polymer, 310 ml, grey

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