

Aqua-Flex MS-Polymer



Ideal for 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.

Characteristics

Base	1C MS-polymer	
Texture	pasty	
Cure type	moisture-curing	
Can be painted	only "wet into the wet" within 3 h at the latest	
Stability/run-off	ASTM D 2202	1.0 mm
Building material class	DIN 4102	B 2
Minimum shelf life	at room temperature	12 mon.

Processing

Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	
Curing speed	in the first 24 h	2 -3 mm
Density	1,44 g/cm ³	
Max. sealing joint width	25 mm	
Gap bridging up to max.	5 mm	

Curing

Skin-over time	25 min.
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Mechanical properties after curing

Tensile strength	ISO 37	3,3 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	3,3 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	650 %
Tear resistance	DIN 53515 / ASTM D 1002	20 kN/m
Hardness (Shore A)	DIN ISO 7619	42±5
Shear strength according to DIN EN 1465		
Medium lap shear strength (DIN EN 1465/ ASTM D 1002)	2,1 N/mm ²	
Volume change	DIN 52451	-1 %

Thermal parameters

Temperature resistance	-40 °C to briefly +90 °C (approx. 2 h) +130 °C
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Approvals / Guidelines

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.

Application

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

Store in the unopened original container at room temperature. Avoid sources of heat and direct sunlight.

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.

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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Aqua-Flex MS-Polymer

Accessories

- 10025241 V-Joint Nozzle, 1 PCE
- 10059792 Pressure gun Airflow 3, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent

Available sizes

- 10021673 Aqua-Flex MS-Polymer, 310 ml, white
- 10021677 Aqua-Flex MS-Polymer, 310 ml, black
- 10021678 Aqua-Flex MS-Polymer, 310 ml, grey

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