

Speed-Flex® MS-Polymer



Replaces traditional fixings | ISEGA-certified

WEICON Speed-Flex is very strong, pasty, stable, paintable (wet in wet), resistant to ageing, weathering, and UV rays and free of silicone, isocyanate, halogen and solvents. WEICON Speed-Flex has an ISEGA certificate and can be used as an adhesive in the food technology. It is an adhesive and sealant based on MS polymer with extremely high initial strength and is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone. Speed-Flex replaces traditional fixings such as screws, pegs, rivets, etc. The very high initial strength makes bonding possible even on vertical surfaces in indoor and outdoor areas. The product can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

Technical Data

Base	1 C. polyoxypropylene	
Cure type	moisture-curing	
Stability/run-off	ASTM D 2202	1.0 mm
Density	1,6 g/cm ³	
Curing condition	from +5°C to +40°C and 30% to 95% rel. air air humidity	
Processing temperature	+5°C to +35°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	5 mm	
Tensile strength	ISO 37 / S3A	2,2 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	2,2 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	230 %
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,3 N/mm ²	
Tear resistance	DIN 53515 / ASTM D 1002	10 kN/m
Volume change	DIN 52451	-1 %
Hardness (Shore A)	DIN ISO 7619	58±5
Temperature resistance	-40 °C to briefly +80 °C (approx. 2 h) +120 °C	
Resistance	1,4 x 10 ¹¹ Ω·m	
Building material class	DIN 4102	B 2
Shelf life	12 mon.	

Approvals / Guidelines

ISSA Code	75.509.21
IMPA Code	812947

Surface pre-treatment

Surfaces must be clean and free of grease. Many surface soilings, 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 Professional cartridge gun for 310 ml cartridges (WEICON Cartridge Gun “Special”), compressed air gun (we recommend a version with piston rod), 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.

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

Speed-Flex® 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.

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

- 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

- 13600310 Speed-Flex® MS-Polymer, 310 ml, white
- 13602310 Speed-Flex® MS-Polymer, 310 ml, grey

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