

Flex 310 M[®] Super-Tack MS-Polymer



High initial strength

WEICON Flex 310 M Super-Tack is very strong, paintable “wet-on-wet”, sandable, weather-resistant, resistant to UV rays and free of silicone, isocyanate, halogens and solvents, and non-corrosive. Flex 310 M Super-Tack is a strong, elastic adhesive based on MS polymer. Both the very high initial strength and the fast development of adhesive strength enable bondings even on vertical surfaces. It is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone. It replaces screws, pegs, rivets and other common fixings. The adhesive and sealant can be used for drywall and interior work, in metal construction, tank and apparatus engineering, ventilation and air conditioning systems, in yacht and boat constructions, exhibition construction and shopfitting, 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	1,62 g/cm ³	
Max. sealing joint width	30 mm	
Gap bridging up to max.	10 mm	

Curing

Skin-over time	10 min.
----------------	---------

Mechanical properties after curing

Tensile strength	ISO 37	1,9 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	600 %
Tear resistance	DIN 53515 / ASTM D 1002	13 kN/m
Hardness (Shore A)	DIN ISO 7619	50±5
Shear strength according to DIN EN 1465		
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,5 N/mm ²	
Volume change	DIN 52451	-2 %

Thermal parameters

Temperature resistance	-40°C to +90°C
------------------------	----------------

Approvals / Guidelines

ISSA Code	75.634.34/35
IMPA Code	815275/76

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.

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. 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).

Ageing

The test specimens were artificially aged according to DIN ISO 21194, Annex A, to assess their long-term durability.

After artificial ageing, Flex 310 M Super-Tack with Primer K 200 achieved grade 2 in the bead peel test on aluminium.

Grade 2 means: 75 % to 95 % cohesive failure.

After artificial ageing, Flex 310 M Super-Tack with Primer K 200 or Activating Cleaner achieved grade 2 in the bead peel test on stainless steel (V2A).

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 Colombia S.A.S
Colombia
Phone: +57 314 793 86 06
Email: info@weicon.co

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.
Türkiye
phone +90 (0) 212 465 33 65
info@weicon.com.tr

Flex 310 M[®] Super-Tack MS-Polymer

Elastic adhesives and sealants

MS-Polymers

Grade 2 means: 75 % to 95 % cohesive failure.

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.

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

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 Colombia S.A.S
Colombia
Phone: +57 314 793 86 06
Email: info@weicon.co

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.
Türkiye
phone +90 (0) 212 465 33 65
info@weicon.com.tr