

Flex 310 M[®] HT 200 MS-Polymer



High-temperature-resistant

The high temperature resistance makes it possible to bond and seal components, which will be thermal-coated (powder-coated) afterwards. WEICON Flex 310 M HT 200 can be used in metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, carriage, container, wagon and vehicle construction. WEICON Flex 310 M HT 200 Adhesive and Sealant is resistant even to high temperatures, has an outstanding resistance to ageing and is free of silicone, isocyanate, halogens and solvents.

Technical Data

Base	1-C. MS polymer	
Colour	grey	
Cure type	moisture-curing	
Standfestigkeit_Ablauf	ASTM D 2202	1.0 mm
Density	1,41 g/cm ³	
Curing condition	from +5 to +40°C and 30% to 95% rel. air humidity	
Processing temperature	+5°C to +35°C	
Curing speed	in the first 24 h	3 -4 mm
Skin-over time	10 min.	
Tensile strength	ISO 37 / S3A	3,2 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	3,2 N/mm ²
Tear resistance	DIN 53515 / ASTM D 1002	21 kN/m
Hardness (Shore A)	DIN ISO 7619	55±5
Temperature resistance	-40°C to +90°C (45 min. +180°C / 30 min. +200°C)	
Tg after curing at room temperature	~ -59 °C	
Resistance	3,4 x 10 ¹¹ Ω·m	
Specific resistance	3,4 x 10 ¹¹ Ω·cm	
Building material class	DIN 4102	B 2
Shelf life	12 mon.	

Zulassungen / Richtlinien

IMPA Code	815278
ISSA Code	75.634.37

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).

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:

13655310	Flex 310 M [®] HT 200 MS-Polymer, 310 ml, grey
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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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