

WEICON Flex 310 M ProSeal



Multi-purpose high-strength adhesive and sealant

Multi-purpose, permanently elastic, fast-curing and high-strength 1-C adhesive and sealant based on SMP. Neutral curing, entirely weather-resistant, very low emissions and odour as well as free of silicone, isocyanate and solvents. Tested and approved for applications in food-related areas and for ventilation and air-conditioning systems in accordance with VDI 6022. Meets the requirements of the International Maritime Organisation IMO FTFC Parts 2+5. WEICON Flex 310 M ProSeal adheres very well even to powder-coated, painted, galvanised, anodised, chromated and hot-dip galvanised surfaces. Adhesion range: metal, plastics, natural stone, concrete, masonry, plaster, wooden floors, glass, and many more. The sealant has a high mould resistance, is compatible with natural stone and can be used in many areas, such as food and beverage production, air conditioning and ventilation construction, the maritime industry, sanitary facilities, or the construction industry. Moreover, WEICON Flex 310 M ProSeal can be used in other industrial areas, such as in tank and apparatus construction, in car bodywork, container and vehicle construction, in pipeline and fittings construction, in the energy and electrical industries, in sound insulation and insulation technology and in plastics technology.

Characteristics

Base	Silane-modified polymer	
Colour	grey	
Cure type	moisture-curing	
Can be painted	Wet paints	only "wet into the wet" within 3 h at the latest
Building material class	EN 13501-1	E
Minimum shelf life	at room temperature	18 mon.
Specific properties	150 g/m ² ± 5% uncured product meet IMO certification	

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	(+20°C) DIN 51757	1.48 ± 0.05 g/cm ³
Max. sealing joint width	40 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	1,6 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	600 %
Movement absorption max.	20 %	
Hardness (Shore A)	DIN ISO 7619	32
Shear strength according to DIN EN 1465	Medium lap shear strength (DIN EN 1465/ ASTM D 1002) 1,4 N/mm ²	

Thermal parameters

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

Dielectric strength	DIN EN 60243-1 (20°C)	13,79 kV/mm
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Approvals / Guidelines

IMPA Code	815289
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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

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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(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

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

Available sizes

- 10060643 WEICON Flex 310 M ProSeal, 310 ml, grey

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



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