

Multi-Flex

extremely fast strong elastic

WEICON Multi-Flex is extremely fast-curing, strongly adhesive and resistant to weathering, ageing and UV radiation. It is free from silicones and isocyanates, odourless and non-corrosive. The 2-component adhesive and sealant based on MS-polymer is suitable for full-surface and stress-compensating bondings – both indoors and outdoors. With Multi-Flex, nearly all materials, such as metal, wood, plastic, glass or ceramics, can be bonded. It is suitable for both rough and smooth surfaces. By using Multi-Flex, damage of the adherend surfaces is prevented. The bonded parts are highly durable after curing, although the adhesive remains elastic and absorbs impact loads. The adhesive is very versatile and can be used in many sectors of the industry, in crafts and also in home improvements and DIY projects.

Technical Data

Base	2-C hybrid polymer	
Colour	grey	
Cure type	chemical polymerisation	
Density	1,37 g/cm ³	
Processing temperature	+5°C to +35°C	
Pot life	at 23 °C, 50 % rel. air humidity	8 min.
Mechanical strength after	40 h	
Final strength	(100 % strength)	2 h
Gap bridging up to max.	10 mm	
Tensile strength	ISO 37 / S3A	1,7 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37	1,7 N/mm ²
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,3 N/mm ²	
Volume change	DIN 52451	1 %
Hardness (Shore A)	DIN ISO 7619	37±5
Temperature resistance	-40°C to +90°C	
Shelf life	6 mon.	

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

Multi-Flex can be processed straight from the double cartridge. Dismiss the first centimetre of the adhesive bead. Mix product thoroughly. Apply adhesive to the bonding surface quickly. Then join both bonding surfaces immediately.

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.

Available sizes

10047799 Multi-Flex, 25 ml, grey

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{mm}/25.4 = \text{inch}$
 $\mu\text{m}/25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{Nm} \times 141.62 = \text{oz}\cdot\text{ft}$
 $\text{mPa}\cdot\text{s} = \text{cP}$
 $\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
 $\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

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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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