

## Technical Datasheet

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# Multi-Flex



**extremely fast curing**  
**strong adhesion**  
**elastic**

WEICON Multi-Flex is extremely fast curing, has a strong adhesion, is resistant against weathering, aging and UV. It is free from silicones and isocyanates, odorless and non-corrosive.

The 2-component adhesive and sealant based on MS-polymer is suitable for full-area 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 with and among each other. It is suitable for both rough and smooth surfaces.

By using Multi-Flex, damage to the surfaces to be bonded is prevented. The bonded parts are highly loadable after curing, although the adhesive remains elastic and cushions impact loads.

The adhesive is universally applicable and can be used in many sectors of the industry, in crafts and also in household and hobby.

### Technical Data

Composition	2-C-hybrid-Polymer
density	1,37 g/cm <sup>3</sup>
Viscosity adhesive	paste
Processing temperatur	+5 to +35 °C
Pot-life (at +23°C and 50% rel. Humidity)	8 min.
Set to load bearing	40 min.
Final hardness after approx.	2 h
Cure type	chemical polymerisation

### 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.

Volume change (DIN 52451)	1 %
Gap filling up to max.	10 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	6 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	37
Elongation at break (DIN 53504/ASTM D 2240) ± 5	300 %
Tensile strength of pure adhesive and sealant	1,7 N/mm <sup>2</sup>
Average tensile shear strength (DIN 53283 / ASTM D 12)	1,3 N/mm <sup>2</sup>
Temperature resistance	-40 to +90 °C

\*Measured at 50% relative air humidity and +23°C

### Surface pre-treatment

The prerequisite for perfect adhesion are clean and dry surfaces (e.g. cleaning and degreasing with WEICON Cleaner Spray S or WEICON Plastic Cleaner). The best results are achieved when the surfaces to be bonded are mechanically roughened. The adhesive is applied only on one side.

### Processing

Multi-Flex can be processed directly from the double cartridge. Reject the first centimetre of the dosed bead. Mix the product thoroughly. Apply adhesive mixture quickly to only one of the surfaces to be bonded. Join both surfaces immediately afterwards.

### Storage

When unopened and stored in a normal climate (+23°C and 50 % rel. humidity), WEICON Multi-Flex has a shelf life of 6 months.

### Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

### Available sizes:

13362025 Multi-Flex 25 ml

### Accessories:

10650005 Mixing Nozzles Easy-Mix, Quadro  
11202400 Sealant and Adhesive Remover, 400 ml  
11207400 Surface Cleaner, 400 ml  
11850200 Hand Protective Foam, 200 ml

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