

Flex+bond® Liquid



Self-levelling, one-component casting and coating mass

Flex+Bond Liquid is a self-levelling mass for casting and coating works with a layer thickness of up to 10mm.

It cures without any odour, is based on MS-Polymer and is free of solvents, isocyanates and silicone.

It can be used for many different applications, such as castings in the electrical and electronics industry or casting of cable connections. It is also suitable for the insulation technology, for metal, tank and machinery and valve construction and in the ventilation and air conditioning technology.



Technical Data

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| Base | One-component MS-polymer |
| Colour | white |
| density | 1,48 g/cm³ |
| Viscosity adhesive | 7.000 |
| Processing temperature | +5 to +40 °C |
| Cure type | by humidity |
| Curing condition | +5°C to +40°C and 30% to 95% rel. humidity |
| Skin-overtime* | 40 min. |
| Curing speed (first 24h) | 2 - 3 mm |
| Volume change (DIN 52451) | -9 % |
| Gap filling up to max. | 0,5 mm |
| Gap width up to max. | 25 mm |
| Shore A hardness (DIN 5355 / ASTM D 224) ± 5 | 43 |
| Elongation at break (DIN 53504/ASTM D 2240) ± 5 | 400 % |
| Tensile strength of pure adhesive and sealant | 2,2 N/mm² |
| Average tensile shear strength (DIN EN 1465/ ASTM D 12) | 1,8 N/mm² |

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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|---------------------------------------|--------------------------------|
| Tear strength (DIN 53515/ASTM D 1002) | 11 N/mm² |
| Movement capacity max. | 10 % |
| Overpaintable (liquid paint) | after complete curing |
| Building material category (DIN 412) | B2 |
| Specific forward resistance | 1,1 x 10 ¹² Ohm/cm |
| Temperature resistance | -40 to +80 briefly. to +120 °C |

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

Surface pre-treatment

The surfaces must be clean and free of grease. Many surface contaminants, e.g. oil, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend WEICON Cleaner Spray S; WEICON Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues. Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent (primer). Detailed information on this subject is contained in the primer selection table. A mechanical surface pre-treatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

Processing

Squeeze tube by hand.

Put the cap back on the tube immediately after use, tubes should be used up as quickly as possible after opening.

Storage

When unopened and stored at room temperature (+23°C and 50 % rel. humidity), WEICON elastic one-component adhesives and sealants have a shelf life of 12 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) must be observed.

Available sizes:

13354085 Flex+bond® Liquid 85 ml liquid

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