

Flex+bond® Liquid

Self-levelling casting and coating compound | ISEGA-certified

Flex+bond Liquid is a self-levelling, 1-component compound for casting and coating work up to max. 10 mm layer thickness.

Flex+bond Liquid cures odourless, is based on MS Polymer and is free of solvents, Flex+bond Liquid cures odourless, is based on MS Polymer and is free of solvents, isocyanates and silicones. The mass is suitable for different applications, like castings in the electrical and electronics industry or casting of cable connections. It can be used in the insulation technology, in metal construction, in the tank and apparatus construction, in valve construction and in the ventilation and air conditioning technology.

Technical Data

Base	One-component MS-polymer
Colour	white
Paintable	after complete curing
Cure type	moisture-curing
Viscosity	7.000 (0,5 1/s)
Density	1,48 g/cm ³
Curing condition	from +5°C to +40°C and 30% to 90% rel. air humidity
Processing temperature	+5°C to +40°C
Curing speed	in the first 24 h 2 - 3 mm
Skin-over time	40 min.
Gap bridging up to max.	0,5 mm
Max. sealing joint width	25 mm
Tensile strength	ISO 37 / S3A 2,2 N/mm ²
Tensile strength of the pure adhesive and sealant	ISO 37 2,2 N/mm ²
Medium lap shear strength (DIN EN 1465/ASTM D 1002)	1,8 N/mm ²
Tear resistance	DIN 53515 / ASTM D 1002 11 kN/m
Volume change	DIN 52451 -9 %
Hardness (Shore A)	DIN ISO 7619 43±5
Temperature resistance	-40 °C to +80 °C, briefly up to +120 °C
Resistance	1,1 x 10 ¹² Ω·m
Building material class	DIN 4102 B 2

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.

Processing

Squeeze out by hand Close tube again immediately after use, opened tubes should be used up as quickly as possible.

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.

Accessories

- 10025241 V-Joint Nozzle, 1 PCE
- 10033114 Compressed Air Cartridge Gun, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE

Available sizes

- 10050578 Flex+bond® Liquid, 85 ml, white

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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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