

Fast-Bond



fast-curing

one-component structural and assembly adhesive for universal use on polyurethane basis (PUR)

Fast-Bond structural and assembly adhesive is strong, overpaintable, sandable, and resistant to weathering, UV rays, freshwater and salt water. It is free of silicone or solvents.

WEICON Fast-Bond is suitable for the bonding of MDF panels, wood panels, chipboards, fibre and plaster boards, concrete, marble, natural and artificial stone, ceramics, gypsum, metals and rigid foams.

This adhesive is suitable for waterproofed bonding according to DIN EN 204 D4.

Technical data

Basis	One-component polyurethane
Density	1,50 g/cm ³
Viscosity	pasty
Stability/Run-off (ASTM D 2202)	>1 mm
Processing temperature	+5 to +40 °C
Cure type	by humidity
Curing condition	+5°C to +35°C (+41°F to +95°F) and 40% to 70% rel. humidity
Skin-over time	3 min.
Cure speed (first 24 h)	2-3 mm
Volume change (DIN 52451)	Increase %
Gap filling up to max.	10 mm
Gap width up to max.	--- mm
Shelf life (+5°C to +25°C)	12 months
Shore Hardness A (DIN 53505 / ASTM D 2240) ± 5	---
Elongation at break (DIN 53504 / ASTM D 412)	--- %
Tensile strength of the pure adhesive/sealant	10 N/mm ²
Average tensile shear strength (DIN 53283/ASTM D 1002)	11,0 N/mm ²
Tear strength (DIN 53515 / ASTM D 624)	--- N/mm ²
Movement capacity max.	--- %
Temperature resistance	-30 to +100 °C
Overpaintable (liquid paint)	Wet in wet or after complete curing
Building material category (DIN 4102)	B 2

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

Pretreatment of the surface

The surfaces must be clean and grease-free. 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 pretreatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

Processing

Application

Application methods: Hand cartridge gun for 310 ml cartridges, compressed air gun (we recommend a variation with piston rod), automatic dosing systems .

Curing/Joining the bonded parts

An adhesive surface should permit diffusion. The adhesive reacts with moisture (room humidity/moisture on the adhesive surface). Join the parts within 3 minutes and fix them under pressure until they harden. Adhesive foams easily.

Storage

When unopened and stored in a normal climate (+23°C and 50 % rel. humidity), WEICON elastic one-component adhesives and sealants have a shelf life of 12 months.

Note

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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.

Health and Safety

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.

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