

Fast-Bond Assembly Adhesive



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 waterproof bonding according to DIN EN 204 D4.

Technical Data

Base	1 C.-Polyurethane
density	1,5 g/cm ³
Viscosity adhesive	pasty
Stability/Run-off (ASTM D 222)	> 1 mm
Processing temperature	+5 to +40 °C
Cure type	By humidity
Curing condition	+5 to +40°C and 30% to 95% rel. humidity
Skin-overtime*	3 min.
Curing speed (first 24h)	2 -3 mm
Volume change (DIN 52451)	Increase
Gap filling up to max.	10 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Tensile strength of pure adhesive and sealant	10 N/mm ²
Average tensile shear strength (DIN EN 1465/ ASTM D 12)	11 N/mm ²
Overpaintable (liquid paint)	after complete curing
Building material category (DIN 412)	B 2
Temperature resistance	-30 to +100 °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

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 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:

13309310 Fast-Bond Assembly Adhesive 310 ml beige

Accessories:

13250000 Cartridge Cutter, 310 ml
13250001 Cartridge Gun,
13250002 Cartridge Gun Special,
13250009 Compressed Air Cartridge Gun,

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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