

HB Construct

Revision: 26/07/2018

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Technical data

Basis	Hybrid Polymer
Consistency	Liquid paste
Curing system	Moisture curing
Curing speed * (23°C/50% R.H.)	Ca. 1 mm/24h
Density**	Ca. 1,33 g/ml
Viscosity (Brookfield)	Ca. 237.000 mPa.s
Total solid content	100 %
Temperature resistance**	-30°C to +100°C (cured) DIN EN 14257 (WATT 91): 7 N/mm ²
Open time (*)	Ca. 6 min.
Water resistance (EN204)	D4
Shear strength**: 2 mm adhesive thickness, substrate AlMgSi1, speed 10 mm/min	> 10MPa
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

HB Construct is a unique waterproof (D4), non-foaming, very strong, isocyanatefree construction adhesive.

- Suitable for all fitting outside connections who are exposed to weather effects: doors, windows, other constructions who are in a need of a D4 water resistance classification.

Properties

- Isocyanate free construction adhesive
- No black fingers
- Water resistant D4
- Non foaming
- For in and outdoor use
- Self-leveling and flows to fill connections
- End strength up to 110 kg/cm²
- Clamping not necessary
- Can be finished immediately after application
- High heat resistance

Packaging

Colour: brown, white, black
Packaging: 290 ml cartridge

Shelf life

Brown: At least 12 months in unopened packaging in a dry storage place at temperatures between +5 °C and +25 °C.

, Black, white: At least 6 months in unopened packaging in a dry storage place at temperatures between +5 °C and +25 °C. After use, close the packaging with the original cap.

Applications

- Suitable for the bonding of non-carrying bondings between different sorts of wood.
- Specific for bondings with a wooden seam which will remain visible.

Substrates

Substrates: Suitable for bonding most commonly used materials from the construction and building industry such as wood, wood based materials, glass, aluminium, steel, many types of plastics, tiles, concrete, brick, ... At least one of the surfaces should be porous. Not suitable for PE, PP,

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PTFE and bitumen

Nature: The surface may be humid. The surfaces must be clean, free of dust, grease, oil and rust.

Surface preparation: For a better adhesion, it's recommended to roughen the surface with sanding paper P80, metal has to be free of rust and roughened at a St 3 level (according to ISO 8501-1). Both substrates have to be even and/or well matched.

We recommend a preliminary adhesion test on any substrate.

recommended to apply the adhesive onto both surfaces and then to spray a fine mist of water on top of the adhesive.

CAREFUL: moistening the substrates prior to applying the adhesive will have a negative impact on the bond strength of the product.

Application method

Application method: Apply with a caulking gun in equal beads or dots. Close within 6 minutes, press well and fixate while curing until hand tight (ca. 60 min) Wipe away excess product with a cloth. Cured product can only be removed mechanically.

Cleaning: HB Construct can be removed from tools and material with Soudal Surface Cleaner, White Spirit or Swipex, before curing. Cured HB Construct can only be removed mechanically.

Repair: With the same material

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Do not use in applications where continuous water immersion is possible.
- The end strength of HB Construct is equal or higher to similar PU construction adhesives.
- HB Construct is self-leveling and therefore cannot be used for vertical joints.
- Sufficient moisture needs to be able to reach the adhesive layer to cure. This depends on the type of material, structure of the surface, thickness of the material, air humidity and temperature.
- HB Construct requires sufficient moisture to cure. In dry environments it is

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