



PU-TIX EXPRESS

VERY FAST, THIXOTROPIC, WATERPROOF, LIMITED FILLING WOOD
ADHESIVE BASED ON POLYURETHANE.



PRODUCT DESCRIPTION

Very fast, thixotropic, waterproof, limited filling, single-component wood adhesive based on polyurethane.

FIELD OF APPLICATION

For waterproof (D4) mutual (surface) bonding of practically all types of wood as well as bonding practically all types of wood to many building materials, such as gypsum, (natural) stone, (cellular) concrete, metal, hard foam and various synthetics. Suitable for non-bearing wood structures using various wood joints such as finger joints, dovetail joints, mortise and tenon joints, dowels and springs.

Suitable for interior and exterior applications, such as façade carpentry and sandwich panels. Also for less-fitting joints (for example, unplanned wood). Ideal for vertical applications. The adhesive cures under the influence of moisture. Because of this, at least one of both surfaces needs to be a porous, moisture-containing surface.

D4: Interiors where flowing water or condensation are present over long periods on a regular basis. Exteriors exposed to the influences of the weather, providing effective protection for bonded wood. Not suitable for to join polyethylene (PE), polypropylene (PP), PTFE and nylon (PA).

PROPERTIES

- Very fast
- Limited filling; slightly effervescent
- Good standing power; does not drip
- Solvent-free
- All-weather resistant
- Paintable
- Sandable
- Thixotropic

QUALITY LABELS/STANDARDS

Certificates: KOMO: Adhesives for non-bearing applications. Certificate 32394 based on BRL 2339 (EN 204: D4 Class, Watt '91).

PREPARATION

Working conditions: The ambient temperature, the adhesive and the materials to be bonded should be no less than +5°C. Wood humidity must be between 10% and 18% (max. 25%).

Personal safety: The wearing of gloves is advised.

Preliminary surface treatment: Surfaces must be clean, dust and grease-free and a good fit. Degrease oily types of wood with Bison Professional Cleaner. Roughen non-porous materials. Moisten the side to which no adhesive has been applied with a damp cloth.

Tools: Sealant gun, fine-toothed glue spreader (1 mm), brush, roller, clamp or press.

APPLICATION

Coverage: 5-6 m²/kg

Directions for use:

Apply adhesive thinly and evenly on one side using a sealant gun. If necessary, spread further using a fine-toothed glue spreader (1 mm), brush or roller. Moisten the side to which no adhesive has been applied with a damp cloth. Assemble joint within 2 minutes and clamp or press for at least 15 minutes. Apply adequate coating to glued joint for maximum water resistance.

Pressure: 2-5 kg/cm²

Time to press (+20°C): 15 minutes

Open time: 2 minutes

Stains/residue: Remove wet adhesive residue immediately with Bison Professional Cleaner. Dry adhesive residue can only be removed mechanically.

CURE TIMES*

Final bonding strength after: approx. 30 minutes at 20°C

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Moisture resistance: Very good

Water resistance: Very good

Temperature resistance: -20°C - +125°C

Chemicals resistance: Good

Paintability: Good



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Filling capacity: Limited

TECHNICAL SPECIFICATIONS

Chemical base: Polyurethane prepolymer

Colour: Transparent

Viscosity: approx. Thixotropic

Solid matter: approx. 100 %

Density: approx. 1.12 g/cm³

STORAGE CONDITIONS

Minimum 12 months. Best Before Date (MM/YY): see packaging. Limited shelf life after opening. Store dry in sealed packaging between +10°C and +20°C.