PU WOOD ADHESIVE FIBER

FIBRE-REINFORCED, FAST, WATERPROOF SINGLE-COMPONENT POLYURETHANE WOOD ADHESIVE



PRODUCT DESCRIPTION

Fibre-reinforced, fast, liquid, waterproof, limited filling, 1-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-load bearing wooden 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, unplaned wood). 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 Polyethyleen (PE), polypropyleen (PP), PTFE en nylon (PA).

PROPERTIES

· Fibre-reinforced
· Fast
· Liquid
· Limited filling - effervescing
· All-weather resistant
· Solvent-free
· Paintable
· Sandable

CERTIFICATES & STANDARDS

Certificates	
KOMO®	KOMO: Adhesives for non-bearing applications. Certificate 32394 based on BRL 2339 (EN 204: D4 Class, Watt '91).
atg	ATG: Adhesives for non-load bearing wooden structures (EN 204: D4 category, EN 14256, EN 14257 (Watt '91)). Certificate ATG 2849.

Standards	
EN 204 D4	EN 204: Classification of thermoplastic wood adhesives for non-structural applications: D4

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%.
Preliminary Surface Treatment: Surfaces must be clean, dust and grease-free and a good fit. Greasy wood types should be degreased. Roughen non-porous materials. Moisten the side to which no adhesive has been applied with a damp cloth.
Tools: Fine-toothed glue spreader (1 mm), brush or roller, clamp or press.

APPLICATION

Coverage: 5 m^2/kg
Directions for use:
Apply adhesive thinly and evenly to one side 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 10 minutes and clamp or press for at least 30 minutes. Apply adequate coating to glued joint for maximum water resistance.
Stains/residue: Remove wet adhesive residue immediately. Dry adhesive residue can only be removed mechanically.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.

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TECHNICAL SPECIFICATIONS

Chemical base:	Polyurethane prepolymer
Chemicals resistance:	Good
Colour:	Transparent
Density approx.:	1.14 g/cm³
Filling capacity:	Limited
Final bond strength after:	30 minutes at 20°C
Minimum temperature resistance:	-20 °C
Maximum temperature resistance:	125 °C
Moisture resistance:	Very good
Open time approx.:	10 minutes
Paintability:	Good
Pressure:	2-5 kg/cm²
Solid matter approx.:	100 %
Time to press (+20°C):	30 minutes
Viscosity:	Liquid
Viscosity approx.:	3 mPa·s
Water resistance:	Very good

STORAGE CONDITIONS

Shelf life: At least 12 months after production.
Store dry in sealed packaging between +10°C and +20°C.
Limited shelf life after opening.

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