PU MAX®

LIQUID, WATERPROOF (EN 204 D4) WOOD CONSTRUCTION ADHESIVE BASED ON POLYURETHANE

PRODUCT DESCRIPTION

Liquid, waterproof, wood construction adhesive based on polyurethane. Professional quality, conforms to standard EN 204 D4.

FIELD OF APPLICATION

For water-resistant (EN 204 D4) mutual (surface) joining of practically all types of wood as well as joing practically all types of wood to many building materials, such as gypsum, (natural) stone, (cellular) concrete, metal, hard foam and various synthetics. Especially for bonding and repairing wood constructions and wood connections that have to meet stringent requirements. Suitable for finger joints, dovetail joints, mortise and tenon joints, dowels, springs, and more. Suitable for interior and exterior applications, such as façade carpentry and sandwich panels. Also for less-fitting joints (for example, unplaned wood). 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 Polyethylene (PE), polypropylene (PP), PTFE and nylon (PA).

PROPERTIES

· Liquid
· (Sea)waterproof (EN 204 D4)
· Super-strong
· Limited filling; slightly effervescing
· Solvent-free
· Temperature and all-weather resistant
· Can be used internally and externally
· Paintable
· Sandable

CERTIFICATES & STANDARDS

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. Relative humidity of up to 65 %. Level of wood humidity between 10 % and 18 % (max. 25 %).
Surface Requirements: The surfaces to be bonded need to be clean, dry and free of dust. Moisten the side to which no adhesive has been applied with a damp cloth.
Preliminary Surface Treatment: Degrease oily types of wood with thinner. Roughen non-porous materials.
Tools: Fine-toothed glue spreader (1 mm), brush or roller, clamp or press.

APPLICATION

Coverage: 5-6 m^2/kg
Directions for use:
Apply adhesive thinly and evenly to one side using a fine-toothed glue spreader (1 mm) or brush. Assemble joint within 30 minutes and clamp or press for at least 4 hours. The desired pressure is 2-5 kg/cm^2.
Stains/residue: Remove adhesive residue immediately with acetone. 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:	Brown (transparent)
Density approx.:	1.13 g/cm³
Filling capacity:	Limited
Final bond strength after:	24 hours at 20°C
Minimum temperature resistance:	-20 °C
Maximum temperature resistance:	125 °C
Moisture resistance:	Very good
Open time approx.:	30 minutes
Paintability:	Good
Pressure:	2-5 kg/cm²
Solid matter approx.:	100 %
Solvent free:	Yes
Time to press (+20°C):	4 hours
Viscosity:	Liquid
Viscosity approx.:	4.5 mPa·s
Water resistance:	Very good
Wood glue classification:	D4

STORAGE CONDITIONS

Store in properly sealed packaging in a dry place at between +10 °C and +20 °C.

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