

# PU MAX® WOOD ADHESIVE

## WATERPROOF AND FILLING POLYURETHANE WOOD ADHESIVE FOR USE INDOORS AND OUTDOORS (D4 STANDARD).



### PRODUCT DESCRIPTION

Liquid, water resistant, polyurethane-based wood adhesive reinforced with fibres. With long open time (1hour) and with limited filling capacity. Marine quality, complies with standard NEN-EN 204: D4.

### FIELD OF APPLICATION

For waterproof (D4) (surface) bonding of practically all kinds of wood. Suitable for non-bearing wood constructions with various connections, such as finger joints, dovetails, mortise and tenon joints, dowels and tongue joints. Suitable for indoor and outdoor applications, such as boat construction, façade panelling and sandwich boards. Also for less well-fitting connections (e.g. unplanned wood). Can be applied exclusively if one of both surfaces is porous (strongly absorbent). Not suitable for connections that are subject to a higher, permanent load/tension. For these connections, use Bison Wood Construction Adhesive 2K Expert.

### PROPERTIES

- Transparent/white
- Reinforced with fibres
- Open time: 1 hour
- Liquid
- (Sea) water resistant
- Limited expansion
- Weather resistant
- Solvent free
- Paintable
- Sandable

### PREPARATION

**Working conditions:** Use only when temperature of room, adhesive and materials to be bonded is not below +5°C. Wood humidity level should be between 10% and 18% (max. 25%).

**Personal safety:** It is recommended to wear rubber or plastic protective gloves.

**Surface requirements:** Parts to be bonded should be clean, free of dust and well-fitting. Roughen non-porous materials. Moisten side to which no adhesive is applied with a damp cloth.

**Preliminary surface treatment:** Surfaces should be clean, free of dust and grease and well-fitting. To ensure optimal strenght of the bond, the gap should not be larger than 0,1 mm. Degrease greasy woods with Thinner for Bison Kit® or thinner.

**Tools:** Fine-toothed glue spreader (1 mm) or brush, clamp or press.

### APPLICATION

**Coverage:** 5 m<sup>2</sup>/kg

#### Directions for use:

Apply adhesive thinly and evenly to one side, using a fine-toothed glue spreader (1 mm) or brush. Join parts within 30 minutes and press or clamp for at least 4 hours. Recommended pressure is 2-5 kg/cm<sup>2</sup>.

**Time to press (+20°C):** 4 hours

**Open time:** 30 minutes

**Stains/residue:** Remove fresh stains immediately with Bison Degreaser or acetone. Dried residue can only be removed mechanically.

### CURE TIMES

**Handling time:** approx. 2 hours

**Dry/Cure time:** approx. 24 hours at 20°C

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

### TECHNICAL PROPERTIES

**Temperature resistance:** From -20°C to +125°C

**Chemicals resistance:** Good

**Paintability:** Good

### TECHNICAL SPECIFICATIONS

**Chemical base:** Polyurethane prepolymer

**Viscosity:** Thixotropic

**Solid contents:** approx. 100 %

**Density:** approx. 1.3 g/cm<sup>3</sup>

### STORAGE CONDITIONS

At least 18 months after date of manufacture Limited shelf life after opening Store in a well-closed packaging in a dry place at a temperature between +10°C and +20°C.