

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 and glue clamp or press.

APPLICATION

Coverage: 5 m²/kg

Directions for use:

Apply a thin and even coat of adhesive on one side using a fine-toothed glue spreader (1 mm) or brush. Join within 30 minutes and secure for at least 4 hours with a press or clamp.

Time to press (+20°C): 4 hours

Open time: 30 minutes

Stains/residue: Remove fresh stains immediately with acetone. Cured adhesive 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: -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/cm³

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.