



# CONSTRUCTION ADHESIVE SUPER

## LIQUID, WATERPROOF, 100% FILLING, DUAL-COMPONENT WOOD ADHESIVE BASED ON POLYURETHANE.



### PRODUCT DESCRIPTION

Liquid, waterproof, 100% filling, dual-component wood adhesive based on polyurethane.

### FIELD OF APPLICATION

For waterproof (D4) mutual joining and laminating of virtually all types of hard, soft and exotic wood varieties and joining to stone, (cellular) concrete, metal and various synthetics. Suitable for non-load-bearing wood structures using finger joints, dovetail joints, mortise and tenon joints, dowels and springs, amongst others.

Suitable for internal and external applications such as façade carpentry, yacht and boat building. Also for surface bonding and manufacturing of sandwich panels of wood, soft- and hardboard, chipboard, multiplex plywood, MDF, paper and cardboard.

Ideal for vertical applications and less suitable connections (e.g. unplanned 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.

### PROPERTIES

- 100% filling
- For internal and external use
- All-weather resistant
- Chemical resistant
- Paintable

### 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 content may not exceed 18%.

**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:** Mixing bowl, scales, stirring spatula, fine-toothed glue spreader (1 mm), brush or roller, clamp or press.

### APPLICATION

**Mixture ratio:** 1 part by weight Hardener to 2,5 parts by weight Resin.

**Coverage:** 5-6 m<sup>2</sup>/kg

#### Directions for use:

Stir resin well before use. While stirring thoroughly (in a clean and dry mixing bowl) mix 1 part hardener with 2.5 parts by weight of resin until a mixture with a homogeneous colour is obtained. Apply the adhesive, then press or clamp. After clamping the adhesive must cure for 24 hours before loading the construction. Close both cans well after use. The individual components and the mix may not come in contact with water. Foaming of the hardener or mixture indicates that the adhesive has become unusable.

**Time to press (+20°C):** 3 hours

**Open time:** 1 - 1.5 hours

**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. 24 hours at 20°C

	Snelle harder		
	15°C	20°C	25°C
<b>Verwerkbaar</b>	1,5 uur	1 uur	30 min.
<b>Klemmen</b>	4 uur	3 uur	1 uur
<b>Afbindtijd / belastbaar na</b>	24 uur		
<b>Volledige eindsterkte</b>	48 uur		

\* 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



# CONSTRUCTION ADHESIVE SUPER

LIQUID, WATERPROOF, 100% FILLING, DUAL-COMPONENT WOOD  
ADHESIVE BASED ON POLYURETHANE.

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

**Chemicals resistance:** Good

**Paintability:** Good

## TECHNICAL SPECIFICATIONS

**Chemical base:** Polyurethane prepolymer

**Colour:** Brown

**Viscosity:** approx. 15.000 mPa.s., Runny

**Solid matter:** approx. 100 %

**Density:** approx. 1.32 (mixture) g/cm<sup>3</sup>

**Flash point:** K3 (>55°C)

## STORAGE CONDITIONS

A minimum of 24 months. Best Before Date (MM/YY): see packaging. Limited shelf life after opening. Store dry in sealed packaging between +10°C and +20°C.