



Technical Data Sheet



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UniBond Repair Express Wood Glue

CHARACTERISTICS

- Very high bond strength
- Meets the performance requirements of BS EN 204 Durability Class D3
- Ideal for assembly joints
- Thermal resistance according to BS EN 14257 $>7\text{N/mm}^2$

APPLICATION FIELD

- For all non-structural wooden joints (dowel, tongue and groove, mortise and tenon joints)
- Joint bonding, e.g. for kitchen work tops (solid wood, edge banding etc.)
- Surface bonding of HPL (High Pressure Laminate) to wood and wooden materials

INSTRUCTIONS FOR USE

Preparation

Items to be bonded should be clean, dry and tight fitting. Wood types with high oil or tannin content, such as teak, should be wiped with acetone before applying the glue. The moisture content of the wood should be between 8 - 12%. Higher moisture contents will increase setting time.

Application

For soft woods, such as pine, apply the adhesive to one surface. For hard woods, such as beech, the adhesive must be applied to both surfaces. Spread the adhesive with a comb or spatula. Note: Do not use tools which contain iron to avoid the risk of discolouration. Immediately make the bond and clamp

Clamping pressure

Surface bonding $> 0.2 \text{ N/mm}^2$

Joint assembly bonding and hard woods $> 0.5 \text{ N/mm}^2$

Items under tension will require higher clamping pressure.

**Clamping time**

Clamping time is dependent on the ambient conditions, wood type, moisture content and the amount of glue applied. Under normal conditions, minimum clamping time is:

1. bonding wood

approx. 15-20 minutes at 20°C

approx. 10-15 at 30°C

2. bonding HPL board

approx. 40 minutes at 20 °C

approx. 25 minutes at 40 °C

approx. 15 minutes at 60 °C

Cleaning tools

Clean tools immediately after use with water.

Wood discolouration

The pH of UniBond Repair Express Wood Glue is 3.5. With oil or tannin containing woods, discolouration is unlikely if no iron-containing tools are used during application of the adhesive. Wood discolouration can be removed with a 2-3% aqueous oxalic acid solution.

Open time

Open time is dependent on room temperature, relative humidity, wood hardness, moisture content and the amount of glue applied. At a room temperature of 20°C, open time is a maximum of 8 minutes. The bond must be formed whilst the adhesive is still wet

TECHNICAL DATA

Composition	Synthetic resin glue based on polyvinyl acetate
Density	ca. 1,1 g/cm ³
Heat resistance	up to +70°C
Open time	up to 8 min
Application temperature	min. +5°C, max +35°C
Consumption	Approx. 150g/m ²
Colour	White
Joint colour	Transparent
Shelf Life	12 months in cool dry conditions

LIMITATIONS

Only for use as a wood adhesive. Not suitable for structural wood bonding or, for bonding materials other than wood. Not suitable for areas of constant immersion or permanent damp.

STORAGE

Store in original container in cool dry conditions, protected from frost.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available to download from mymstds.henkel.com.



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Henkel Limited

Wood Lane End, Hemel Hempstead, Hertfordshire, HP2 4RQ

Phone: +44 (0) 1606 593 933

Internet: www.henkel.co.uk

email: technical.services@henkel.co.uk