



Technical Data Sheet



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UniBond Repair Power Epoxy Wood

CHARACTERISTICS

- Reactive, fast, and non-shrinking epoxy
- Initial set in 5 minute @23°C
- Two components, 1:1 mix ratio.
- Solvent-free
- Fills gaps
- Cured adhesive can be sanded, drilled, machined and painted.
- Resistant to oil and common solvents

APPLICATION FIELD

Ideal for strong, quick bonding and repairing of hardwoods and softwoods, such as Pine, Ash, Beech, Mahogany, Oak, Sapele, Teak, Plywood and MDF.

Also suitable for bonding wood to other common surfaces, such as wood, leather, metal, glass, ceramics and most plastics*.

INSTRUCTIONS FOR USE

Surface Preparation

Surfaces to be bonded must be clean, dry, dust and completely free from dust, dirt, rust, oil, grease, polish and moisture. For best results, lightly sand surfaces prior to bonding.

Application

1. Pull out re-sealable cap from syringe plunger and snap off tab from tip of syringe nozzles. Push down plunger slowly to dispense adhesive onto a clean, non-absorbent surface. Only dispense as much adhesive as required. Fix re-sealable cap onto syringe nozzles.
2. Mix adhesive thoroughly using the spatula provide and use immediately.
3. Apply adhesive carefully to one surface to be bonded. Push both surfaces together firmly. Remove excess adhesive immediately with methyalted spirit.
4. Use self-adhesive tape or clamps to hold in position. Bonded items can be handled after 15 minutes. Allow 4 hours before rough handling





TECHNICAL DATA

Composition	Epoxy Resin & Hardener system
Density (Part A, B)	1.2g/ml, 1.1g/ml
Heat resistance	-30°C to +150°C (Max +60°C for load bearing bonds)
Open time	3 minutes
Cured Colour	Translucent. Does not yellow on ageing.
Cure time @23°C	Initial set 5 minutes 5 minutes to handling strength Allow 4 hours before rough handling Full strength after 24 hours
Maximum (shear) Strength	Up to 30kg/cm ² (24 hours, 23°C, rigid PVC/ rigid PVC)
Shelf Life (@20°C)	18 months, unopened, from date of production

LIMITATIONS

*Not suitable for bonding PP, PE, and PTFE. Not suitable for repairing items that will be in direct contact with food or drink. Not suitable for adhering vehicle rear-view mirrors to windscreen. Epoxy adhesive is not suitable for use on soft plastics such as PE, PP or Teflon®.

Cure times stated will vary according to temperature.

Cleaning tools

Once hardened the resin can be removed mechanically (sanding, scraping etc..). Uncured material can be removed with methylated sprits or other alcohol solvent cleaner.

Storage

Store in a dry place between 10 C° and 30 °C. Protect product from direct sunlight. For maximum shelf-life, please store at lower end of temperature range.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

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Henkel Limited

Wood Lane End Hemel Hempstead, Herts HP2 4RQ

Phone: +44 (0) 1606 593 933

Internet: www.henkel.co.uk

email: technical.services@henkel.co.uk