



Technical Data Sheet



Technical Data Sheet
Ref: UR6000
Issued: 24.02.2023
Number of pages: 3

UniBond Repair Power Epoxy Plastic

CHARACTERISTICS

- Fast setting, two component, non-shrinking epoxy adhesive
- 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 most plastics* such as modified polystyrene (ABS etc.), rigid PVC, polystyrene (PS), polycarbonate (PC), acrylic and fiberglass.
- Also suitable for bonding most plastics* to other common surfaces such as wood, leather, metal, glass and ceramics.
- For indoor and outdoor use

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 methylated 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 polypropylene (PP), polyethylene (PE) and PTFE.. Not suitable for repairing items that will be in direct contact with food or drink.

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.

“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. f.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.”



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