

## AUTO FIX KNEAD IT

### Description

Selleys Auto Fix Knead It polymer repair system is a fast setting, co-extruded epoxy that can be used to repair or rebuild, anything around the car, caravan or boat. Once kneaded together, it can be moulded to desired shape. It adheres to most surfaces\* and will not pull away. When cured it can be drilled, sawed and painted.

### Product Information

Packaging	Size
Plastic Tube	110g

### Uses

Suitable for:

- Automotive repairs including petrol tank, radiators and oil tanks.
- Anchoring - bolts, screws, etc.
- Filling - rust holes, small dents, scratches, gouges and holes in panels, etc.
- Bonding - trims.
- Thread locking.
- Repairing - metal and plastic pipes & parts.

### Features

- Will not sag, run or drip.
- Easy to use - no mess.
- Reshapes/rebuilds/repairs many auto parts.
- Can be drilled, sawed, sanded, filed, tapped, machined and painted.
- Good adhesive strength.
- Heat resistance up to 120°C.
- Excellent anchoring properties.

### Technical Details

Property	Typical Result
Technology	Epoxy
Colour	Dries to an off-white colour.
Density	Uncured: ~1.9g/ml Cured: ~2.0g/ml
Application Temperature	5 to 40°C
Heat Resistance	Continuous: -40 to +120°C Intermittent: -40 to +140°C

Initial Cure Time	60minutes
Full Cure Time @ 25°C	24hours
Working Time @ 25°C	3 to 5minutes
Shore D Hardness (at full cure) (ASTM D2240)	80±5
Volumetric Shrinkage	~4%
Non-Volatile Content	~100%
Lap shear tensile strength (on steel: 25 x 25 x 1.5mm (ASTM D1002))	5.5 - 6MPa
Compressive strength (ASTM D695)	55MPa
Dielectric Breakdown Strength (ASTM D149)	~7500 kV/m
Chemical Resistance	Resistant to hydrocarbons, esters, ketones, alcohols, halocarbons, aqueous salt solutions, and dilute acids and bases. (For suitability, pre-test a small cured sample with dilute acid & bases).
<p><i>Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.</i></p>	

### Standards

- Approved for contact with drinking water at temperatures up to 85°.
- Complies with AS/NZS4020\*  
\*Maximum Surface Area to Volume ratio is: ~1,024mm<sup>2</sup>/L @ (85±2)°C.

### Surface Preparation

- Ensure surface is free of grease, dirt and dust. For best results, roughen bond area by scuffing or sanding prior to cleaning.

### Directions for Use

- Wear gloves. Cut off required amount. Replace disc on remaining portion. Knead with fingers until a uniform colour is achieved. If mixing is difficult, allow the polymer warm to room temperature.

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- Apply to surface to be repaired (within 2 minutes of mixing); apply pressure to force the adhesive into surface or mould to required shape.
- For a smooth appearance, remove excess and hand rub with water or a damp cloth before hardening begins.
- In ~5 to 10 minutes, Auto Fix Knead It will harden and begin to form a strong bond.
- Auto Fix Knead It may be drilled, sanded, machined, filed, sawed or painted after 60 minutes.

## Safety Tips

- Wear impermeable gloves when mixing or handling uncured product.
- Wash hands thoroughly with soap and water immediately after handling before product hardens.
- Avoid breathing dust and use a dust mask when sanding.
- Turn off power when doing repairs with electrical items.

## Clean Up

- Clean up with damp cloth before adhesive hardens

## Storage

- Store in a cool, dry, well-ventilated place and out of direct sunlight.
- Store away from foodstuffs.

## Limitations

- Set time increases at temperatures below 20°C.
- #Does not adhere to Polyethylene, Polypropylene or Teflon® (Polytetrafluoroethylene).
- Not suitable for repairing plastic petrol tanks.

## Warnings, First Aid and Shipping Information

This information can be located on the product SDS available on Selleys website: [www.selleys.com](http://www.selleys.com)