

KNEAD IT MULTIPURPOSE

Description

Selleys Knead It Multipurpose polymer repair system is a hand kneadable, fast setting epoxy repair system that can be used to rebuild, reshape or repair numerous objects around the home or workshop. Once mixed together, it can be moulded to desired shape and will adhere to most surfaces providing a permanent finish. When cured it can be drilled, sawed and painted.

Product Information

Packaging	Size
Plastic Tube	110g
Blister	50g

Uses

Suitable for:

- Repair and replacement of broken parts - timber, metal, masonry, plastics[#], ceramics.
- Mending - toys, appliances, lawn mowers, sports equipment, etc.
- Sealing - leaks in gutters and downpipes.
- Patching - chipped concrete, floors, bricks, blocks etc.
- Attaching - fixtures, machine tags, etc.
- Anchoring - bolts, screws, housings etc.
- Filling - rust holes, small dents, etc.
- Moulding - to reform or reshape damaged timber, metal, masonry, plastics, ceramics.
- Balancing - table legs, etc.

Features

- Will not sag, run or drip.
- Easy to use - no mess.
- Reshapes/rebuilds/repairs many surfaces.
- Can be used on metal, timber, concrete, ceramics, plastics[#], glass.
- Can be drilled, sawed, sanded, filed, tapped, machined and painted.
- Good adhesive strength.
- Heat resistance up to 120°C.
- Excellent anchoring properties.
- Suitable for permanent submersion underwater after full cure.

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)	190.5Volts/mil
Chemical Resistance	Resistant to hydrocarbons, esters, ketones, alcohols, halocarbons, aqueous salt solutions, and dilute acids and bases.
<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>	

Standards

- Approved for contact with drinking water at temperatures up to 85°C.
- Complies with AS/NZS4020*
*Maximum Surface Area to Volume ratio is: ~10,375mm²/L @ (85±2)°C.

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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.
- 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, Knead It Multipurpose will harden and begin to form a strong bond.
- Knead It Multipurpose 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 recommended for filling joints and cracks subject to movement as the cured product is extremely hard and not flexible.
- Not intended for use in structural applications.

Warnings, First Aid and Shipping Information

This information can be located on the product SDS available on Selleys website: www.selleys.com