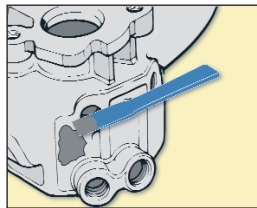


# Product data

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## 702

### Aluminium filled epoxy paste



#### General description

This is a versatile, two-part epoxy adhesive/filler for metal and other materials. It contains a high aluminium particle content and is particularly suitable for the maintenance and repair of aluminium and other metal castings, low pressure pipes, tanks and automotive bodywork.

**AJett 702** has a 1:1 mixing ratio, spreads easily and will fill large and small gaps whether on horizontal or vertical surfaces. When fully cured, conventional metalworking techniques can be used to file, drill, tap, machine, sand and paint it.

#### Benefits

- Contains 40% aluminium particles – when cured, can be treated like aluminium.
- Versatile – can be used on virtually any surface, whether vertical or horizontal.
- Alternative to lead solder and body filler.
- Good at filling gaps.
- Spreads easily.
- Consistency of AJett 702 makes profiling easy before curing.
- Simple preparation – 1:1 mixing ratio.
- 30 minute working time allows for repositioning.
- Multiple layers can be laid to build up a substantial thickness of material.

- Non-rusting.
- Does not shrink.
- Cures to a permanently hard surface.
- Has excellent chemical resistance.
- Cures to a metallic, aluminium finish.

#### Can be used on

- Aluminium and other metals.
- Ceramics, including porcelain.
- Concrete.
- Wood.

#### Typical uses

- Filling holes and cracks.
- Repairing broken or damaged aluminium castings, components, pumps, pipes, valves and tanks.
- As a filler for automotive bodies.
- Repairing worn parts.
- Rapid, small scale repairs to metal components.
- Levelling machinery.
- Making templates.

#### Application

- Mix equal parts of hardener and resin – just enough for the job in hand – and apply with a spatula. Working time is 30 minutes at 20°C. Allow two hours before handling and 24 hours for full cure at room temperature. For advice on building multiple layers, please contact our technical services department.

## Technical data

Composition	<b>Aluminium filled epoxy resin</b>
Physical appearance	<b>Paste (uncured); solid (cured)</b>
Colour	<b>Light grey when cured</b>
Odour	<b>Typical epoxy (uncured); none (cured)</b>
Mixing ratio	<b>1:1</b> By weight and volume
Working time at 20°C	<b>30 minutes</b>
Initial set at 20°C	<b>1 hour</b>
Handling time at 20°C	<b>2 hours</b>
Full cure 20°C	<b>24 hours</b>
Application temperature	<b>5 to 35°C</b>
Service temperature	<b>-20 to +120°C</b> Continuous without load <b>-20 to +150°C</b> Intermittent without load <b>-20 to +60°C</b> Continuous subjected to load
Lap shear, 4 mm bond line	<b>8 N/mm<sup>2</sup></b> (ASTM D 1002)
Compressive strength	<b>60 N/mm<sup>2</sup></b> (ASTM D 695M)
Maximum thickness in one pass	<b>&lt;12 mm</b>
Cured Shore D hardness	<b>80</b>
Yield	<b>590 ml/kg</b>

All performance figures quoted after seven days cure at 20°C using grit blasted mild steel.

## Packaging

2 x 250g tubs. Catalogue number **702/250**. Other sizes available to order.

## Shelf life

Two years in normal storage conditions (dry, room temperature) and in closed original packaging. To avoid contamination, do not return unused product to containers.

## Precautions for use

Irritant. Please refer to the **AJETT** material safety data sheet *MSDS 702*

## Application method

**AJETT 702** works best on clean parts – i.e dry and free of grease, oil and dust etc. Lightly abrading the substrate surface(s) prior to cleaning will improve performance. Mix equal amounts of product with a spatula until even in colour – a minimum mixing time of three minutes is recommended to obtain best results. Use a spatula to apply; remove excess material before the paste has cured. To achieve a gloss finish, smooth the surface

immediately after application with a knife moistened with a solvent such as acetone or white spirit. AJett 702 will start setting within an hour at 20°C, depending on volume – the greater the volume (or higher the temperature), the faster it will set. It can be drilled, tapped, filed or sanded to shape and painted after 24 hours.

**NOTE:** Data provided shows mean averages arrived after laboratory testing. Manufactured batches may vary slightly.

This publication is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the product is suitable for its intended use.

The information is given in good faith and based on the state of our knowledge about the product – but cannot be used as a sales specification.

The attention of users should be brought to eventual hazards arising from the use of the product if they differ from what it was originally formulated for.

The customer will agree and accept our general sales and supply condition, in particular the cause of limitation and relief of responsibility.

**Publication reference** PS-702 – issue 3, April 2007