

## ARALDITE® FUSION A TWO PART, MULTIPURPOSE, EPOXY RESIN ADHESIVE

Araldite® Fusion is a two-part adhesive supplied in a double syringe, with an integrated mixing nozzle. It sets in about 90 seconds and can be gently handled in a few minutes. It is a solvent free, room temperature curing, high strength adhesive. Before using Araldite® Fusion refer to the relevant Health & Safety Sheet.

### Features

- Extra strong adhesive
- Long open time for precise work
- Solvent free adhesive
- Mixing tray and spatula provided
- Good water and chemical resistance

### Uses

- Araldite® Fusion will bond a variety of materials around the home including metal, wood, ceramics, masonry, glass, dry concrete, chipboard, leather, cardboard and most hard plastics, fabrics and rubbers.

### Product Characteristics

	Resin	Hardener
Colour	Colourless	Pale yellow
Physical form	Liquid	Liquid
Specific Gravity	1.15	1.14
Composition	Epoxy Resin	Formulated Polyamine.
Product Code	<b>808300</b>	3g syringe on card
Shelf life/storage	36 months from date of manufacture when stored in the original unopened containers. Store below 25°C in dry conditions.	
Setting Time	90 seconds at 23°C (RT)	
Support Time	2 minutes at RT	
Handling Time	1 hour at RT	
Colour mixed	Pale yellow	
Cured Density	1.15	

Application temps +10 to +30°C

Service temps -50 to +65°C depending on conditions of use.

### Typical Performance Data (approx.)

Water resistance Good but not intended for constant immersion.

Oil & Petrol Good resistance.

Chemicals Good resistance.

Sandability Sandable when set. Please wear dust mask.

Paintability Good but confirm by test. Fine sanding, helps.

### Directions for use

#### IMPORTANT

Before using Araldite® Fusion refer to the relevant Health & Safety Sheet. Available at [www.bostik.co.uk](http://www.bostik.co.uk) named as the code above.

### Preparation

1. Ensure surfaces are dry, clean and free from dust, dirt and grease. For best results lightly roughen surfaces with fine sandpaper.
2. Protect sensitive work and nearby surfaces in case of accidental spillage.

### Application

1. Hold the body of the syringe between forefinger and thumb just below the flanges at the bottom of the mixing nozzle.
2. Gently hold the nozzle section with finger and thumb of the other hand.

3. To make the syringe ready for use gently push against the flanges and pull the nozzle away with the other hand. The nozzle will then click into its open position.
4. Apply Araldite® Fusion to one surface by depressing the plunger in one slow continuous action.
5. Press the two surfaces firmly together and hold in place at least 90 seconds or until set.
6. Setting times may be a little shorter in hot weather. In cold conditions the rate of curing of the mixed adhesive will be slowed down significantly and weak joints may result. For best results, use between 20°C and 25°C.
7. For a perfect finish carefully remove any excess adhesive with a sharp knife before the adhesive has fully hardened.

#### Cleaning

1. Uncured resin/hardener mixtures can be cleaned from tools using cellulose thinners or acetone. Solvents must always be handled with due care as they may be hazardous or flammable.
2. Please note that solvents may attack some rubbers, plastics, painted surfaces, fabrics, etc. Bear this in mind if the intention is to use solvent to remove excess adhesive, and carry out a preliminary test first.
3. Cured adhesive residues can usually be dissolved from tools by soaking in commercial paint stripper. Refer to the paint stripper manufacturer's instructions for use and safe handling.
4. The adhesive may be removed from the skin using a suitable proprietary hand cleaner. Contact with the skin should however be avoided. Do not use solvents in contact with the skin. Always open and use adhesive products over a protected surface, and avoid contact with clothing.

#### Precautions in Use

Araldite® Fusion is not suitable for bonding rear-view mirrors to car windscreens.

Do not use for items which may contain food or drink, as the joint however secure and clean it may appear, may entrap bacteria from the environment.

Not intended for repairs on safety critical items e.g. rotating parts of hover mowers. Please note that some items are moulded from polymers such as polythene or polypropylene, for example, and are simply not designed for repair. Repair may not be viable or would need specialist chemical treatment to achieve a bond.

Thin films of adhesive in bonds may need longer than 90 seconds to set, particularly if the substrates or conditions are cool.

Cured adhesive may slightly yellow if exposed to sunlight for long periods, even through windows.

Do not attempt to open the syringe after application even if it contains some remaining material.

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Information Sheet No.: TDS00265

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