

## DIY Adhesives

**Araldite<sup>®</sup> Metal Repair**

## Two part polyester synthetic metal

**Other commercial names**

- Arametal

**Key properties**

- Cold welding
- Fills holes and cracks
- Machinable like metal
- Paintable

**Description**

Araldite Metal Repair is a two part polyester resin which can be used as a synthetic metal to make repair works. After curing, Araldite Metal Repair can be drilled, machined and painted just like metal and is resistant to extreme temperatures from -20 °C until 150 °C and to external conditions.

**Product data**

Property	Araldite Metal Repair Resin	Araldite Metal Repair Powder
Colour (visual)	Yellow	Grey
Specific gravity	1.1 g.cm <sup>-3</sup>	0.6 g.cm <sup>-3</sup>
Viscosity at 25°C (Pa.s)	0.7 – 0.95	Powder
Pot Life – Liquid application	5 minutes	
Pot Life – Mastic application	3 minutes	

**Processing**
**Pretreatment**

The success of repair works is dependant on proper treatment of the substrates used.

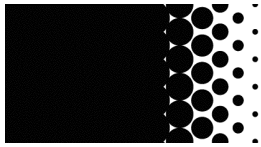
At the very least, joint surfaces should be cleaned with a good degreasing agent in order to remove all traces of oil, grease and dirt.

Alcohol, gasoline (petrol) or paint thinners should never be used.

It is recommended to abrade the surface with sandpaper or with a metal brush before applying Araldite Metal Repair.

Mix ratio	Liquid application	Mastic application
Araldite Metal Repair / Resin	1 volume	2 volumes
Araldite Metal Repair / Powder	1 volume	3 volumes

The resin and the powder should be blended until they form a homogeneous mix.



## Application of the product

For a liquid application, the product can be applied with a spatula, with a paintbrush or with a spraying gun. For a mastic application, the product can be applied with a spatula or with a knife. If a high thickness is needed, the product can be applied in several layers, in this case at least 15 minutes curing should be allowed between 2 layers.

## Equipment maintenance

All tools can be cleaned with a good degreasing agent like acetone, operatives should take the appropriate precautions and, in addition, avoid skin and eye contact.

## Minimum curing time

Temperature	20°C
Liquid application	12 minutes
Mastic application	6 minutes

Full cure after 12 hours at 20°C

## Storage

Araldite Metal Repair may be stored for up to 1 year in the original packaging at room temperature.

## Handling precautions

### Caution

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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