

## Features

- Easy to use steel filled epoxy repair putty
- A kit comprising of Hardener and Resin which should be mixed in a ratio of 1.1
- Cured epoxy has a grey steel appearance
- Excellent filling characteristics and may be used on vertical and overhead surfaces without running or sagging
- Forms a strong adhesive bond to most metals
- May be machined tapped and filed

## RS PRO Solid Adhesive, 500 g

RS Stock No.: 850-978



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers

## Product Description

*Metal Loaded Epoxy is a versatile adhesive and filler for metal, ceramics, concrete and some thermosetting plastics. It is ideal for the maintenance and repair of metal castings, low pressure pipes and tanks, automotive bodywork and wood and metal fittings.*

## Method of use

1. In order to achieve optimum adhesion, surfaces should be cleaned free of grease, dirt paint etc. Scuffing or sanding the surface prior to cleaning helps to ensure a good bond.
2. Twist or cut off the required amount.
3. Mix the components using a spatula until a homogeneous colour is achieved.
4. A maximum mixing time of 3 minutes is recommended to obtain optimum results.
5. When fully mixed apply with a metal or stiff plastic utensil and mould to the correct profile.
6. Excess material should be removed before the paste has fully cured.
7. To achieve a gloss finish, the surface can be smoothed immediately after application with a knife moistened with a solvent such as acetone or white spirit.
8. Metal Loaded Epoxy commences to set within 1 hour at 20°C and after 24 hours it may be drilled, tapped, filed or sanded to shape and paint.

## Precautions

Mix only the amount required to do the job. Clean any excess or spilled glue immediately.

## Health and safety Information

This adhesive is a skin and eye irritant. It contains epoxy and amine resins. In case of eye contact flush with water for 15 minutes and get medical attention. Wash after skin contact. Avoid breathing vapour. use with adequate ventilation. cured glue is non- toxic.

Metal Loaded Epoxy consists of epoxy resins and hardener systems which may cause burns. Wear eye protection and rubber or plastic-coated gloves and wash hands with soap and water immediately after use.

For further health and safety information please refer to the relevant Safety Data Sheet.

## Technical Data

Working time	30 min at 20°C
Initial set	60 min at 20°C
Mix ratio	1:1 by weight and volume
Handling time	2 Hours at 20°C
Full cure	Full cure 24 Hours at 20°C
Application temperature	+5°C to +35°C
Service temperature	-20°C to +120°C continuous without load.
All performance figures quoted after 7 days cure at 20°C. All performance figures quoted after 7 days cure at 20°C	-20°C to +150°C intermittent without load. -20°C to +60°C continuous subject to load.
Compressive strength (ASTM D 695M)	60N/mm <sup>2</sup>
Lap shear (ASTM D 1002 with 4mm bond line)	8N/mm <sup>2</sup>
Shore D hardness	80
Yield	550ml/Kg
The above data is typical for Metal Loaded Epoxy.	

## Storage

Metal Loaded Epoxy should be stored out of direct sunlight in dry frost free conditions of temperatures between 15°C and 25°C. Under such conditions shelf life will be 24 months from the date of manufacture.

## Packaging

Metal Loaded Epoxy is supplied in individual packs

## Important Note

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations, or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customers responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of continued research and development the information relating to each product has not been superseded.

This information is intended only for general guidance in the application of our products. It has been obtained by careful investigation and represents the present state of our knowledge and experience. Because of the wide number of possible methods of application and processing we are not able to assume responsibility in any one particular case for either the technical results or patent rights situation applicable to the country under consideration.