

### **Description**

Fast Metal is a fast curing metal filled two component epoxy adhesive / filler which has excellent adhesion to moist rigid materials. It can be used as a filler and adhesive for metal castings, automotive parts, models and test rigs. It can also be used for the repair of ceramics, brick, plaster, wood and fibreglass objects.

Fast Metal will start to set in 3 – 5 minutes at 20°C. This provides a handling time of 30 minutes with full cure after 24 hours.

### **Directions for use**

Joint surfaces must be clean, dry and free from all traces of grease, oil, dust etc. Improved bond strength can be achieved by lightly abrading both surfaces to be bonded. Mix an equal quantity of the two components for approximately 30 seconds until evenly mixed.

Apply to one surface and press or clamp the two surfaces together. Leave undisturbed until the hardening time has elapsed.

### **Technical Information**

Working time (min) @ 20°C	3
Initial Set (min) @ 20°C	3 – 5
Handling time (min) @ 20°C	30
Cure time	24 hours
Resin density (g/cm <sup>3</sup> )	1.93
Hardener density (g/cm <sup>3</sup> )	1.76
Colour	Grey
Mix ratio (by Volume)	1:1
Bond line thickness (mm)	< 4
Application temperature (°C)	5 to 35
Service temperature (°C)	- 20 to 60
Lap shear strength (N/mm <sup>2</sup> )*	22
Shore D Hardness	60

\* ASTM D 1002 @ 20 °C

### **Storage**

Fast Metal should be stored out of direct sunlight in dry frost-free conditions of temperatures between 15 °C and 25 °C. In such conditions the shelf life will be 2 years from the date of manufacture.

### **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 customer's 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and that in the light of continued research and development the information relating to each product has not been superseded.

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