

### Description

Metal Fit is a press fit repair compound designed to quickly refit worn parts and reach handling strength fast. Some repairs do not need the full strength achieved by Metal Fit, it is recommended to apply a strip or spot to the outer face of a bearing, thus preventing spinout but allowing easy disassembly. The larger the coverage the higher the strength. Some threaded parts need heat or disassembly. An activator is available which speeds cure in gaps or low temperature areas, as large gaps and low temperatures inhibit the cure.

### General Characteristics

|                              |                                   |
|------------------------------|-----------------------------------|
| Resin                        | Dimethacrylate                    |
| Colour                       | Metallic Silver/Grey              |
| Cure Speed with Activator    | <5 minutes                        |
| Cure Speed without Activator | 10 – 15 minutes                   |
| Viscosity                    | Thixotropic Paste                 |
| Gap Fill                     | 05mm (diametrical)                |
| Flash Point                  | > 100°C                           |
| Shelf Life                   | 12 months @ 20°C, 9 months @ 25°C |
| Specific Gravity             | 1.10                              |
| Operating Temperatures       | -55°C to +150°C                   |

### Performance Characteristics

|                        |                        |
|------------------------|------------------------|
| Full Cure Time         | 2 – 4 hours            |
| Tensile Shear Strength | > 30N/mm <sup>2</sup>  |
| Minimum Gap            | 0.05mm<br>(fast cure)  |
| Maximum Gap            | 0.5mm<br>(slower cure) |
| Breakaway Torque       | > 25mN/mm <sup>2</sup> |

Cure time is relative to gap size. Activators enhance cure time but can also reduce ultimate bond strength.

### How to Use

Ensure parts are clean, dry and free from oil and grease. Apply Metal Fit to the damaged area directly from the applicator. Keyways can be repaired without migration into unwanted areas. If a split shaft is being repaired, spread an even coat in a thin film on both surfaces and when assembled, wipe the excess away. Metal Fit will harden once parts are assembled.

### Applications

Metal Fit is an anaerobic metallic silver/grey cream which is non-run and is used to fill and repair spinout, fretting and small imperfections on cylindrical parts. Metal Fit will take up the wear on close fitting metal parts to enable temporary repairs until parts arrive.

### Storage

Store in a cool area out of direct sunlight. Shelf life is 12 months @ ambient temperatures.

### Health and Safety

IRRITANT: Contains Methacrylate Esters.

Some products contain small amounts of Acrylic Acid. Irritates the eyes, the respiratory organs and the skin. In case of contact with the skin, wash immediately with plenty of water.

PACK SIZE: Metal Fit is available in 50g tubes.

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, and that the actual conditions of use are suitable.