

101 Metal Repair Paste

101 Metal Repair Paste is a two component solvent free epoxy metal repair compound. The product has been designed for use on a wide range of metallic surfaces and once cured is readily machinable.

The product is suitable for emergency repairs or part of planned maintenance to equipment such as worn or damaged pump shafts, cracked pump or valve casings, scored hydraulic rams, worn bearing housings, damaged flanges, leaking tank seams and cracked engine blocks.



Main characteristics -

- Two component
- Solvent free epoxy
- 3:1 mixing ratio by volume
- Usable life 25 minutes (20°C)
- Touch dry 1 hour (20°C)
- Machinable 2 hours (20°C)
- 100 Rockwell R Hardness (Once fully cured)
- Applied by spatula or applicator tool
- Available in 1kg, 3kg, 30kg pack sizes

Mechanical Properties –

Adhesion

Tensile Shear to ASTM D1002 185kg/cm² (2630psi)

Compressive strength

Tested to ASTM D 695 1075kg/ cm² (15,300psi)

Corrosion Resistance

Tested to ASTM B117 Minimum 5000 hours

Flexural Strength

Tested to ASTM D790 703kg/cm² (10,000psi)

Heat Resistance

Suitable for water immersion up to 70°C and intermittent contact with steam up to 120°. Dry heat resistance up to 150°C.



Flange face reforming using 101 Metal Repair Paste



Metal surfaces rebuilt and machined using 101 Metal Repair Paste



Gasket chocking using 101 Metal Repair Paste



Metal surfaces resurfaced using 101 Metal Repair Paste

