

102 Metal Repair Fluid

102 Metal Repair Fluid is a two component solvent free epoxy metal fairing 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 filling mechanically or abrasive blast cleaned surfaces where excessive pitting and scarring has been caused by corrosion or chemical attack. The material can also be used with aluminium oxide aggregates to create anti-slip finishes on metallic surfaces such as belt rollers, brake test rollers and steps.



Main characteristics -

- Two component
- Solvent free epoxy
- 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 brush or applicator tool
- Available in 1kg, 3kg 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.



Base of tank, plate bonded and then resurfaced using 102 Metal Repair Fluid.



Damaged tank seams filled and rebuilt using 102 Metal Repair Fluid



Belt rollers resurfaced using 102 Metal Repair Fluid and Aluminium Oxide

