



PES 102 Power 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 @ 68°F (20°C)
- Touch dry 1 hour @ 68° (20°C)
- machinable 2 hours @ 68°F(20°C)
- 100 Rockwell R Hardness (Once fully cured)
- Applied by brush or applicator tool
- Available in 1kg, 2kg, 3kg, & 30kg pack sizes

Mechanical Properties –

Adhesion

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

Compressive strength

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

Corrosion Resistance

Tested to ASTM B117 Minimum 5000 hours

Flexural Strength

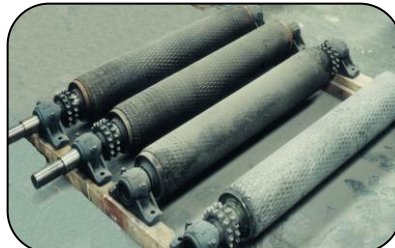
Tested to ASTM D790 10,000psi 703kg/cm²

Heat Resistance

Suitable for water immersion up to 158°F (70°C) and intermittent contact with steam up to 248°F (120°). Dry heat resistance up to 392°F (200°C).



Resurfacing of brake test rollers using PES 102 Power Metal Repair Fluid



Belt rollers resurfaced using PES 102 Power Metal Repair Fluid and Aluminium Oxide



Damaged tank seams filled and rebuilt using PES 102 Power Metal Repair Fluid

