

## PES 101 Power Metal Repair Paste

**101 Power 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 68°F (20°C)  
Touch dry 1 hour 68°F (20°C)  
Machinable 2 hours 68°F (20°C)  
100 Rockwell R Hardness (Once fully cured)  
Applied by spatula or applicator tool  
Available in 1kg, 2kg, 3kg, 30kg pack sizes

### **Mechanical Properties –**

#### **Adhesion**

Tensile Shear to ASTM D1002      2630psi      (185kg/cm<sup>2</sup>)

#### **Compressive strength**

Tested to ASTM D 695      15,300psi      (1075kg/ cm<sup>2</sup>)

#### **Corrosion Resistance**

Tested to ASTM B117      Minimum 5000 hours

#### **Flexural Strength**

Tested to ASTM D790      10,000psi      (703kg/cm<sup>2</sup>)

#### **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).



Flange face reforming using 101 Power Metal Repair Paste



Metal surfaces rebuilt and machined using 101 Power Metal Repair Paste



Gasket chocking using 101 Power Metal Repair Paste



Metal surfaces resurfaced using 101 Power Metal Repair Paste

