



PES 107 Power Metal Repair Paste XL

PES 107 Power Metal Repair Paste XL is a two component solvent free epoxy metal repair compound with an extended usable life for hotter climates. 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 repairs 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
- 3:2 mixing ratio by volume
- Usable life 60 minutes @ 68F (20°C)
- Touch dry 4 hours @ 68°F (20°C)
- Machinable 12 hours @ 68°F (20°C)
- Rockwell R Hardness (Once fully cured)
- Applied by spatula or applicator tool
- Available in 1 kg, 4 kg, & 30 kg pack sizes

Mechanical Properties –

Adhesion

Tensile Shear to ASTM D1002 2550psi (180kg/cm²)

Compressive strength

Tested to ASTM D 695 11,900psi (839kg/cm²)

Corrosion Resistance

Tested to ASTM B117 Minimum 5000 hours 87

Flexural Strength

Tested to ASTM D790 8300psi (585kg/cm²)

Heat Resistance Suitable for water immersion up to 158°F 70°C and intermittent contact with steam up to 248°F (120°C).

Dry heat resistance up to 302°F (150°C)



Quarry crusher shaft rebuilt using PES 107 Power Metal Repair Paste XL



Turbine cover repaired using PES 107 Power Metal Repair Paste XL



Reforming of worn and damaged metal components using PES 107 Power Metal Repair Paste XL

