



PES 106 Power Metal Repair Paste XF

106 Metal Repair Paste XF is a two component fast curing solvent free epoxy repair paste. The product has been designed for use on a wide range of metallic surfaces and is tolerant of less than ideal surface preparation. The material can be used to make emergency repairs to worn surfaces, damaged pump shafts, cracked pump or valve casings, damaged flanges, leaking tank seams and cracked engine blocks.

Main characteristics -

Two component
Solvent free epoxy
1:1 mixing ratio by volume
Usable life 5 minutes @ 68°F (20°C)
Touch dry 25 minutes @ 68°F (20°C)
Full Cure 45 minutes @ 68°F (20°C)
80 Rockwell R Hardness (Once fully cured)
Applied by spatula or applicator tool
Available in 500gm pack sizes

Mechanical Properties –

Adhesion

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

Compressive strength

Tested to ASTM D 695 2630psi (185kg/ cm²)

Lap Shear

Tested to ISO 4587 3400psi (240kg/ cm²)

Peel Strength

Tested to ISO 4578 725psi (5N/mm²)

Heat Resistance

Suitable for water immersion up to 140°F (60°C) and intermittent contact with steam up to 212°F (100°C). Dry heat resistance up to 230°F (110°C).



Corroded gas tank holder repaired using PES 106 Power Metal Repair Paste XF



Holed ship hull repaired in sub-zero temperatures using PES 106 Power Metal Repair Paste XF and a formed steel plate