



# PES 202 Ceramic Repair Fluid

**PES 202 Ceramic Repair Fluid** is a two component solvent free epoxy metal repair fluid. The product has been designed for use on a wide range of metallic surfaces subject to abrasion and impact. The product is suitable for emergency repairs or part of planned maintenance to equipment such as worn impellers, damaged valves, eroded separator housings, damaged pump casings, eroded pipe work, propellers, bow thrusters, rudders, corroded water boxes and eroded end plates and tube sheets.

**Main characteristics -**

- Two component
- Solvent free epoxy
- Usable life 25 minutes @68°F (20°C)
- Touch dry 90 mins @68°F (20°C)
- Full cure 2 days @68°F (20°C)
- 100 Rockwell R Hardness (Once fully cured)
- Applied by brush or applicator tool
- Available in 1kg, 3kg, 27kg pack sizes

**Mechanical Properties –**

**Adhesion**

Tensile Shear to ASTM D1002    2875psi    (202kg/cm<sup>2</sup>)

**Compressive strength**

Tested to ASTM D 695    13650psi    (960kg/ cm<sup>2</sup>)

**Corrosion Resistance**

Tested to ASTM B117    Minimum 5000 hours

**Flexural Strength**

Tested to ASTM D790    9000psi    (635kg/cm<sup>2</sup>)

**Heat Resistance**

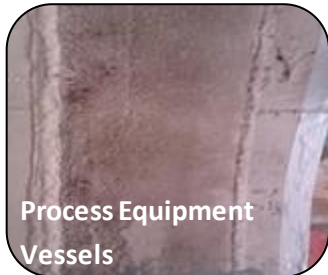
Suitable for water immersion up to 158°F (70°C) and intermittent contact with steam up to 248°F(120°). Dry heat resistance up to 302°F (150°C).



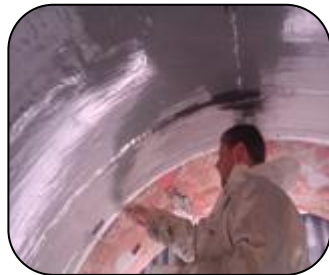
Water pump impeller



Turbine blades protected using PES 202 Ceramic Repair Fluid



Process Equipment Vessels



Process equipment abrasive blast cleaned and resurfaced using PES 202 Ceramic Repair Fluid



Condenser tube sheet resurfaced

