



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 500gm, 1kg, 3kg, 27kg pack sizes

Mechanical Properties –

Adhesion

Tensile Shear to ASTM D1002 2875psi (202kg/cm²)

Compressive strength

Tested to ASTM D 695 13650psi (960kg/ cm²)

Corrosion Resistance

Tested to ASTM B117 Minimum 5000 hours

Flexural Strength

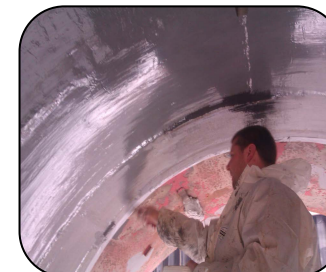
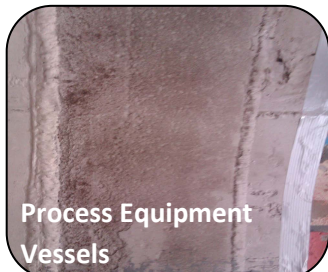
Tested to ASTM D790 9000psi (635kg/cm²)

Heat Resistance

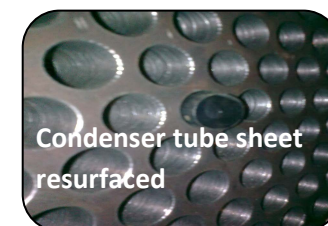
Suitable for water immersion up to 158°F (70°C) and intermittent contact with steam up to 248°F(120°). Dry heat resistance up to 302°F (150°C).



Turbine blades protected using PES 202 Ceramic Repair Fluid



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



Condenser tube sheet resurfaced