



## PES 203 Super Flow Ceramic Fluid

**PES 203 Super Flow Ceramic Fluid** is a two component solvent free epoxy metal repair fluid designed for use on a wide range of metallic surfaces subject to cavitation, low particulate abrasion and impact. The product is suitable for emergency repairs or part of planned maintenance to equipment such as worn impellers, damaged valves, damaged pump casings, eroded pipe work, A-frames and rudders. Once cured, the material has a high gloss finish ensuring flow efficiency gains for the equipment and components coated in the material.

### Main characteristics -

- Two component
- Solvent free epoxy
- Usable life 20 minutes @68°F (20°C)
- Touch dry 90 minutes @ 68°F (20°C)
- Full cure 6 days @ 68°F (20°C)
- 100 Rockwell R Hardness (Once fully cured)
- Applied by brush or applicator tool
- Available in 1kg, 3kg, 30kg pack sizes

### Mechanical Properties –

#### Adhesion

Tensile Shear to ASTM D1002      2650psi      (187kg/cm<sup>2</sup>)

#### Compressive strength

Tested to ASTM D 695      10,450psi      (735kg/ cm<sup>2</sup>)

#### Corrosion Resistance

Tested to ASTM B117      Minimum 5000 hours

#### Flexural Strength

Tested to ASTM D790      8100psi      (570kg/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°C). Dry heat resistance up to 302°F(150°C).



Salt water pump casing



Hot air fan, abrasive blast cleaned and coated with PES 203 Super Flow



Rudders resurfaced and protected



Process pipework abrasive blast cleaned and coated with PES 203 Super Flow



Stern tubes resurfaced and protected