



## PES 206 Ceramic HTA Fluid

PES 206 Ceramic HTA Fluid is a two component solvent free epoxy novolac coating designed for high temperature immersion conditions. The product once cured can withstand continuous immersion conditions up to 230°F (110°C) and is capable of withstanding chemical attack from many industrial chemicals. The material has been specifically designed to withstand immersion conditions in strong acids at elevated temperatures. The product is ideal for resurfacing and protecting metallic surfaces on equipment such as pumps, acid treatment vessels, process vessels, tube sheets, scrubber units, extraction fans, chimneys etc.

### Main characteristics -

- Two component
- Solvent free epoxy novolac
- Usable life 35 minutes @68°F (20°C)
- Touch dry 2 hours @68°F (20°C)
- Full cure 6 days @68°F (20°C)
- 89 Rockwell R Hardness (Once fully cured)
- Applied by brush or applicator tool
- Available in 1kg, 3kg pack sizes

### Mechanical Properties –

#### Adhesion

Tensile Shear to ASTM D1002      2895psi      (204kg/cm<sup>2</sup>)

#### Compressive strength

Tested to ASTM D 695      14,840psi      (1045kg/cm<sup>2</sup>)

#### Corrosion Resistance

Tested to ASTM B117      Minimum 5000 hours

#### Flexural Strength

Tested to ASTM D790      7725psi      (544kg/cm<sup>2</sup>)

#### Heat Resistance

Suitable for water immersion up to 266°F (130°C) and intermittent contact with steam up to 302°F (150°C). Dry heat resistance up to 464°F (240°C).



Tube sheet resurfaced using PES 206 Ceramic HTA Fluid



Paper plant chimney operating at 212°F (100°C) with traces of sulphuric acid coated with PES 206 Ceramic HTA Fluid