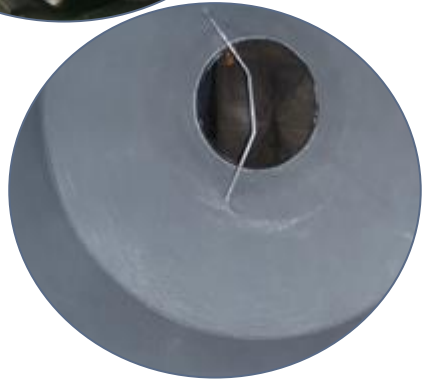




# PES 205 Ceramic HT Fluid

**PES 205 Ceramic HT 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 266°F (130°C) and can upgrade the performance of conventional materials of construction. The material can withstand high temperature contact with water, salt water, crude oil, various industrial chemicals and pressurized steam. PES 205 Ceramic HT Fluid is ideal for repairs to pumps, filters, process equipment, separators, scrubber units, clarifiers, evaporators and distillation units.



<p><b>Main characteristics -</b></p> <ul style="list-style-type: none"> <li>Two component</li> <li>Solvent free epoxy novolac</li> <li>Usable life 35 minutes @ 68°F (20°C)</li> <li>Touch dry 2 hours @68°F (20°C)</li> <li>Full cure 6 days @ 68 °F (20°C)</li> <li>89 Rockwell R Hardness (Once fully cured)</li> <li>Applied by brush or applicator tool</li> <li>Available in 1kg, 3kg pack sizes</li> </ul>	<p><b>Mechanical Properties –</b></p> <p><b>Adhesion</b> Tensile Shear to ASTM D1002      3125psi      (220kg/cm<sup>2</sup>)</p> <p><b>Compressive strength</b> Tested to ASTM D 695      13,960psi      (983kg/ cm<sup>2</sup>)</p> <p><b>Corrosion Resistance</b> Tested to ASTM B117      Minimum 5000 hours</p> <p><b>Flexural Strength</b> Tested to ASTM D790      8710psi      (614kg/cm<sup>2</sup>)</p> <p><b>Heat Resistance</b> Suitable for water immersion up to 266°F (130°C) and intermittent contact with steam up to 302°( 150°). Dry heat resistance up to 464°F (240°C).</p>
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Sea water filter operating at 203°F (95°C) coated with PES 205 Ceramic HT Fluid



De-sulphurisation unit operating at 167°F (75°C) rebuilt using PES 201 Ceramic Repair Paste and resurfaced using PES 205 Ceramic HT Fluid

Ammonia Liquor process vessel operating at 212°F (100°C) resurfaced with PES 205 Ceramic HT Fluid