

205 Ceramic HT Fluid

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 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 pressurised steam. 205 Ceramic HT Fluid is ideal for repairs to pumps, filters, process equipment, separators, scrubber units, calorifiers, evaporators and distillation units.



Main characteristics -

- Two component
- Solvent free epoxy novolac
- Usable life 35 minutes (20°C)
- Touch dry 2 hours (20°C)
- Full cure 6 days (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 220kg/cm² (3125psi)

Compressive strength

Tested to ASTM D 695 983kg/ cm² (13,960psi)

Corrosion Resistance

Tested to ASTM B117 Minimum 5000 hours

Flexural Strength

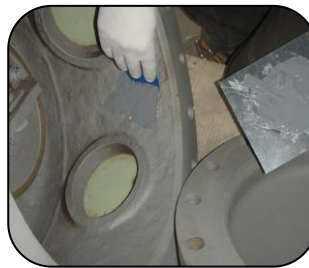
Tested to ASTM D790 614kg/cm² (8710psi)

Heat Resistance

Suitable for water immersion up to 130°C and intermittent contact with steam up to 150°. Dry heat resistance up to 240°C.



Sea water filter operating at 95°C coated with 205 Ceramic HT Fluid



Ammonia Liquor process vessel operating at 100°C resurfaced with 205 Ceramic HT Fluid



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