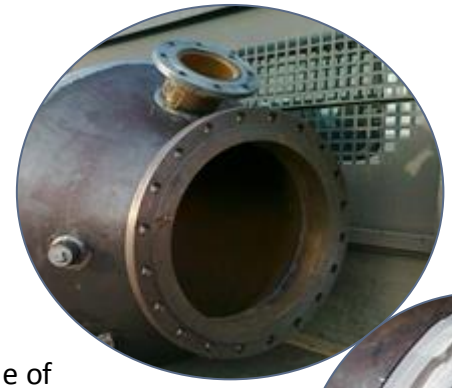

205 Ceramic HT Fluid Test Data

PES has developed a high temperature resistant coating capable of withstanding continuous immersion in Water and Hydrocarbons up to 266°F (130°C). The product is a two pack solvent free epoxy coating which is applied by brush to abrasive blast cleaned metallic surfaces, minimum Nace #2, 3mil angular anchor profile. The material is proven to withstand temperatures up to 266°F (130°C) in continuous immersion in water, steam and oil (dependent on operating environment). The product is applied as a two coat system, 1st coat at target WFT of 24 mils and a 2nd coat at a target WFT of 12 mils. Below we have put together test data which has been collated over the past 12 months. All testing was carried out at independent laboratories and should be used as a guide only. For individual application requirements please refer to pes1@pes-solutions.com.

Water testing 122°F No change after 10 months
Water testing 194°F No change after 10 months
Water testing 230°F No change after 10 months
Water testing 266°F No change after 10 months

Solvent testing 77°F
Ethylene Glycol No change after 10 months
Ethyl Acetate No change after 10 months
Methylene Chloride No change after 10 months
Toluene No change after 10 months
Methyl Ethyl Ketone No change after 10 months
Acetone No change after 10 months

Solvent testing 104°F
Methyl Ethyl Ketone No change after 10 months

Solvent testing 167°F
Toluene No change after 10 months

Solvent testing 194°
Ethylene Glycol No change after 10 months

Hydrocarbon testing 122°F
Crude Oil No change after 10 months
Natural Gas No change after 10 months
Hydrocarbon testing 230°F
Crude Oil No change after 10 months

Alkali testing 25°C
Sodium Hydroxide 40% No change after 10 months
Sodium Hydroxide 20% No change after 10 months
Ammonia Solution 25% No change after 10 months
Alkali testing 90°C
Sodium Hydroxide 15% No change after 10 months

Amine testing 25°C
Ethanol Amine No change after 10 months
Diethanol Amine No change after 10 months
Triethanol Amine No change after 10 months
Methyl Diethanol Amine No change after 10 months
Amine testing 90°C
Ethanol Amine No change after 10 months
Diethanol Amine No change after 10 months
Triethanol Amine No change after 10 months
Methyl Diethanol Amine No change after 10 months