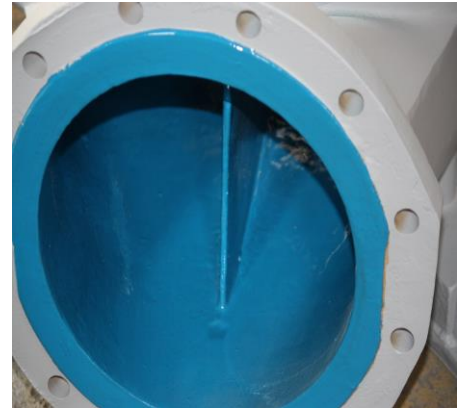


## Refurbishment and Protection of Fire Water Pump

### Situation

DEP was contacted to recommend an anti-corrosive flow efficiency coating for a fire water pump. The pump was situated in France and had been taken off a large vessel and needed a major overhaul.

DEP 203 Ceramic Flow is a smooth finish epoxy coating with good water shedding properties designed to improve flow efficiency in critical capital equipment.



### Solution

DEP recommended the application of DEP 201 Ceramic Metal followed by 2 coats of 203 Ceramic Flow. The pump was abrasive blast cleaned, overhauled, rebuilt and coated at workshops in the UK and delivered back to the shipyard in France.

### Application Details

The internal surface of the pump was abrasive blast cleaned to SA2.5 50-75 micron profile

The surface was degreased using MEK.

DEP 201 Ceramic Metal was applied to the blast cleaned surface, filling the pitted and scarred surface

Once the material had initially set the first coat of DEP 203 Ceramic Flow (Light Grey) was applied

A final coat of DEP 203 Ceramic Flow (Light Blue) was applied 3 hours later



### Outcome

The pump was returned to service and is providing both improved flow efficiency and anti-corrosive performance in a critical application area.