

APPLICATION PROFILE UPS CERAMICS



UPS Specialist Applications has recently completed a project for a major UK ferry operator to refurbish one of the salt water filters on board a vessel.

The ferry operator contacted UPS Specialist Applications and asked them to assess how the filter could be refurbished when the vessel next docked at port.

The repair had to be completed within a 14 hour window and being situated in the engine room there had to be as little dust as possible when completing the repair.

In partnership with the UPS technical team it was decided the filter could be abrasive blast cleaned using VacuBlast equipment then rebuilt and resurfaced using the UPS ceramic enhanced product range

Products

Rebuild – UPS 200
Ceramic Repair Paste

Resurface – UPS 205
Ceramic Repair Fluid

Technical Information

For further information on this application please contact Unique Polymers on info@uniquepolymersystems.com

The internal surface of the filter was VacuBlasted to SA2.5 75 micron profile

All surfaces were then cleaned and degreased to wipe away any surface contaminants

To rebuild any heavily pitted or eroded surfaces a thin layer of 200 Ceramic Repair Paste was applied to the damaged surface

Once the material had initially set the first coat of 205 Ceramic Repair Fluid was applied

Another layer of 205 Ceramic Repair Fluid was applied once the first coat had reached its over coating window

The repair was completed within 8 hours, heaters were used to post cure the repair

The vessel was operational and back at sea within 14 hours

