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The Engineer's Choice

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Application Profile

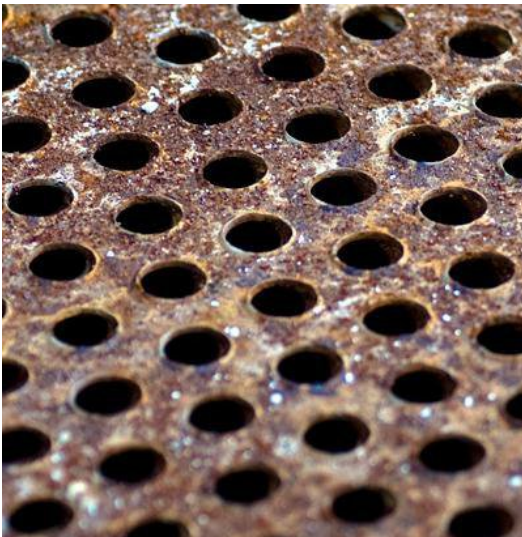
Repair Don't Replace!



- Many UPS distributors have been awarded the contracts to refurbish damaged heat exchanger end plates.
- In this example the heat exchanger had been in operation for over 3 years and during routine inspection had been found to have been severely corroded in certain areas.
- The UPS Distributor was asked to put forward a recommendation to rebuild and protect the end plates.
- The UPS distributor recommended that the area should be blast cleaned and rebuilt using [UPS105 Metal Repair Paste](#) and then resurfaced with 2 coats of [UPS205 Ceramic Repair Fluid](#).
- Once completed the affected area will be protected for many years from erosion and corrosion

Application Details

- The affected area was blast cleaned using angled grit to SA2.5 Swedish Standard, 75 micron profile All surfaces were cleaned using an approved UPS surface cleaner
- The uneven surface of the blast cleaned end plate was rebuilt using Unique Polymer Systems [UPS105 Metal Repair Paste](#)



- The product was allowed to cure for 2 hours at 20C using heaters in a tented environment
- Once the product had reached its minimum over coating time 2 coats of [UPS205 Ceramic Repair Fluid](#) were applied at a minimum wet film thickness of 350 microns per coat The repair was completed over two days



The Engineer's choice for Maintenance Polymers