

Heat Exchanger Repair & Coating with Belzona

ID: 8558

Industry: *Fluid Flow*

Application: *HEX-Heat Exchangers*

Substrate: *Mild Steel*

Products: ** Belzona 1311 (Ceramic R Metal) ,*

** Belzona 1321 (Ceramic S Metal) ,*

Customer Location: *United Kingdom*

Application Date: *2021*

Problem

Welding was ruled out due to the risk of heat distortion. A tight turnaround was required for the item.



Photograph Descriptions

- * 1 - Damage to the coating & underlying metal ,
- * 2 - Surface preparation & rebuilding with Belzona 1311 ,
- * 3 - End cover coated with Belzona 1321 ,
- * 4 - Belzona 1321 applied ,

Application Situation

A heat exchanger had suffered damage from erosion & corrosion in service.

Application Method

The existing coating was removed during the grit blast preparation. The metal was prepared to SA2.5 & 75 microns. Any areas of metal loss were repaired using Belzona 1311 Ceramic R metal. Two coats of Belzona 1321 Ceramic S Metal were then applied for future erosion/corrosion protection.

Belzona Facts

By utilising the Belzona repair the equipment was repaired & protected in only 4 days.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO
9000 Registered Quality
Management System.

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