

BELZONA TAKES THE HEAT IN EXCHANGERS

ID: 6072

Industry: Chemical & Petrochemical
Application: HEX-Heat Exchangers
Substrate: Carbon Steel
Products: * Belzona 1511 (Super HT-Metal) ,
* Belzona 1593 ,

Customer Location: Petrochemical Plant, Teesside, UK
Application Date: 2016

Problem

The brine heat exchangers operate at up to 138°C and are prone to rapid corrosion. The water box, separator channels and tube face had all suffered extreme corrosion and the separator plate was being bypassed.



Photograph Descriptions

- * Condition 1 year after previous coating was applied. ,
- * Damage and failure close up. ,
- * Tube face separator channels rebuilt. ,
- * Protected heat exchanger being reassembled. ,

Application Situation

Brine Heat Exchanger

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets HEX-1, HEX-2 and HEX-3.

Belzona Facts

The customer had tried several materials previously on these heat exchangers and because of the severely corrosive and elevated temperature service conditions, none had lasted more than a year or two. Belzona 1593 is designed for permanent immersion conditions up to 160°C and so it was the ideal coating to protect all parts of this asset.

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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