

RECOVERY AND PROTECTION OF OLD HEAT EXCHANGER WITH BELZONA

ID: 5994

Industry: Chemical & Petrochemical

Application: HEX-Heat Exchangers

Substrate: Steel and Brass

Products: * Belzona 1391T ,
* Belzona 9411 (Release Agent) ,

Customer Location: Oil Refinery, Bulgaria

Application Date: November 2015

Problem

Surface of the tube sheets were badly corroded and required recovery and protection to stop unwanted leakages.



Photograph Descriptions

- * Grid blasted plate ,
- * Formers and cork plugs used to limit the repair area ,
- * Corroded areas rebuilt with Belzona ,
- * Application completed after 2 coats of Belzona 1391T and cork plugs pulled out ,

Application Situation

Old heat exchanger in oil refinery cooling benzene fractions with hydrogen sulfide at working temperature up to 70°C.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-1 and HEX-3. After grit blasting, erosion damage was rebuilt before applying Belzona 1391T for overall corrosion protection. A special flange shaped former was coated with Belzona 9411 and positioned so the flange remained uncoated.

Belzona Facts

The customer needed a quick and economical repair of the heat exchangers without compromising the quality or performance and reliability for long service life. Belzona 1391T is applied without the need of specialist tools and also can achieve full cure in service. This Belzona repair saves the customer time and money.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA[®]
Repair • Protect • Improve

Copyright © Belzona International Limited 2025