

# BELZONA TUBE SHEET AND END COVER REPAIR

ID: 31

Industry: Chemical & Petrochemical

Application: HEX-Heat Exchangers

Substrate: Steel

Products: \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Refinery in Alabama

Application Date: January 1996

## Problem

The tube bundle and end cover of a heat exchanger at a local refinery was badly eroded.



## Photograph Descriptions

- \* Eroded tube bundle prior to the repair ,
- \* Repaired tube sheet ,
- \* End cover rebuilt ,

## Application Situation

Tube bundle and water box

## Application Method

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

## Belzona Facts

All faces of the tube sheets were rebuilt using teflon and a steel plate as a former. The use of Belzona saved a replacement cost of approximately \$24,000.

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.

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