

# BELZONA STANDS THE TEST OF TIME

ID: 1180

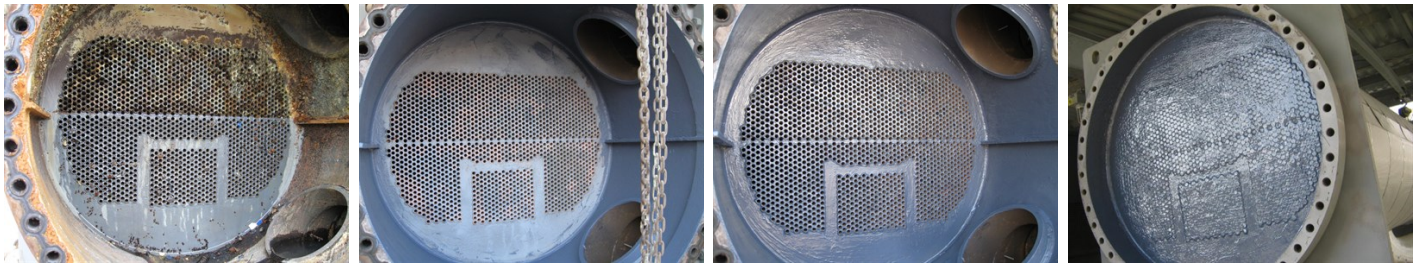
**Industry:** Chemical & Petrochemical  
**Application:** HEX-Heat Exchangers  
**Substrate:** Carbon steel sheet, copper tubing  
**Products:** \* Belzona® 1111 (Super-Metal) ,  
 \* Belzona® 1321 (Ceramic S-Metal) ,

**Customer Location:** Petrochemical Plant, Louisiana U.S.A.

**Application Date:** September 2003, September 2008

## Problem

Tube sheet was suffering from bi-metallic corrosion and channel box was suffering from erosion/corrosion.



## Photograph Descriptions

- \* Bi-metallic corrosion tube sheet ,
- \* Existing Belzona repaired blasted and channel box coated for first time ,
- \* Fully restored tube sheet with second application of Belzona ,
- \* Rear of chiller shown fully corked and coated, waiting for corks to be removed ,

## Application Situation

Rebuild and protect the tube sheets on the faces of chiller. Also returned five years later for customer to inspect and to coat the channel box and baffle.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet HEX-1, HEX-2 & HEX-3.

## Belzona Facts

The unit was one of three identical units at this facility. Once opened, the customer was satisfied with the performance of the Belzona coating and allowed a second application on the "sister" unit. The customer also allowed for the channel boxes to be coated, and for the existing tube sheet to be coated with another layer of Belzona® 1321. This application will extend the life of both chillers for many years, and saved the customer \$275,000 per unit in replacement costs.

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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