

# BELZONA STOPS COSTS SPIRALLING OUT OF CONTROL

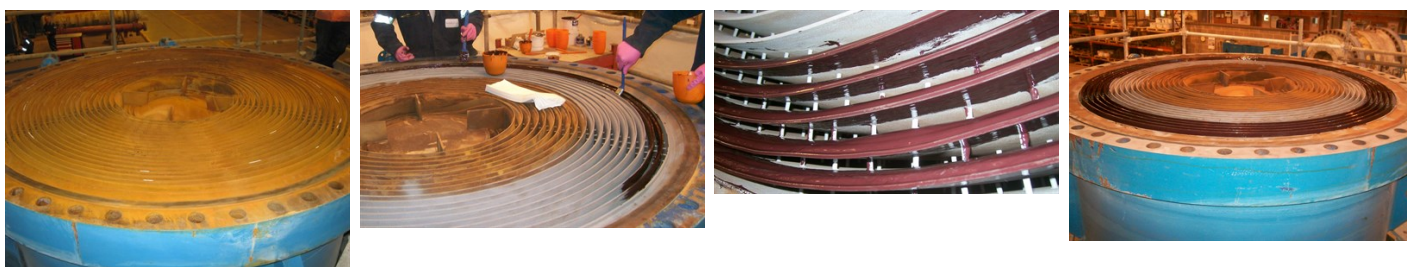
ID: 6076

Industry: General Industry  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona 4311 (Magma CR1) ,

Customer Location: Pigment Manufacturer, UK  
Application Date: 2010

## Problem

An unwanted reaction within these assets is the formation of hot hydrochloric acid, which was then attacking the steel spirals. It was thought that there were only a few weeks left before the heat exchanger would fail. The lead time on a replacement was nearly 12 months.



## Photograph Descriptions

- \* One end of spiral heat exchanger untreated ,
- \* Belzona 4311 application underway ,
- \* Close up of coating ,
- \* Completed application ,

## Application Situation

Spiral Heat Exchangers commonly used within part of the client's facilities.

## Application Method

The steel was grit blasted, followed by a brush application of 3 coats of Belzona 4311 in accordance with Belzona Know-How System Leaflet TCC-5.

## Belzona Facts

The replacement cost for this heat exchanger was over £230,000. Belzona was used to coat the affected areas on both ends of the asset with a material that can withstand hydrochloric acid, even at 60°C. The whole application was completed with only minor material costs of about £600. The client then repeated the application on a further two identical spiral heat exchangers the

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