

Belzona provides a second life to this cooling tower

ID: 7737

Industry: Steel & Metal Processing
Application: TCC-Tanks and Chemical Containment Areas

Customer Location: Metal processing plant, France

Application Date: May 2018

Substrate: Carbon Steel

Products:
* Belzona 1221 (Super E-Metal) ,
* Belzona 1121 (Super XL-Metal) ,
* Belzona 5811 (Immersion Grade) ,

Problem

External corrosion leading to significant wall thinning and localised through wall defects.



Photograph Descriptions

- * 1 - The cold bonding of metal plate to patch up thin areas ,
- * 2 - Wrap in progress ,
- * 3 - Wrap completed ,
- * 4 - Coating for further corrosion protection ,

Application Situation

Heat Exchanger - acid cooling tower. Operating pressure of 1 bar and temperature between 30 and 50C.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5.

Belzona Facts

Two towers were suffering from the same problem at the same time: through wall defects due to corrosion. The customer had one

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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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spare ready (costing 90,000€) but could not afford to wait for a replacement one being given the 8 months lead time. The Belzona repair was completed in 4 days by a team of 3 technicians. The tower was put back in service within 72 hours. The Belzona repair (products + application) did cost one-third of the replacement cost (30,000€).

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