

BELZONA SEALS FLOATING TANK ROOF

ID: 1173

Industry: Chemical & Petrochemical

Customer Location: Chemical Plant, Texas U.S.A.

Application: TCC-Tanks and Chemical Containment Areas

Application Date: November 2008

Substrate: Carbon steel

Products: <div>Belzona® 1291 (ES Metal)</div><div>Belzona® 1221 (Super E Metal)</div><div>Belzona® 2111 (D&A Hi-Build Elastomer)</div>

Problem

There was substantial head pressure in the tank resulting in loss of product containment through the corroded seam. This was not only an operations concern, but an environmental and safety issue as well.



Photograph Descriptions

* Surface preparation of the seam , * Belzona® 1291 used to stop active leak , * Area taped off and additional leak protection with Belzona® 1221 , * Final coating protection with Belzona® 2111 ,

Application Situation

Overlapped welded plate on floating tank roof was trapping water allowing corrosion.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-1.

The active leak was stopped with Belzona® 1291. Repair area leveled with Belzona® 1221. Over-coated taped off area with Belzona® 2111 to provide flexible seal.

Operatives wore air fed masks to meet safety requirements.

Belzona Facts

Cost was approximately \$3000 in labor and material for Belzona repair versus approx. \$300k to drain, gas-free tank, and do weld repair. Dollars associated with decreased production from down-time are also a factor, including costly potential fines from regulatory agencies due to atmospheric emissions from product containment loss.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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