

DEFECTIVE DEMIN TANK RETURNED TO SERVICE WITH BELZONA

ID: 8633

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas

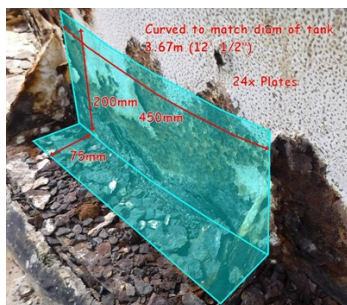
Customer Location: Petrochemical Plant, Teesside, UK
Application Date: 2020

Substrate: Carbon Steel and Concrete

Products: * Belzona® 1121 (Super XL-Metal) ,
* Belzona® 6111 (Liquid Anode) ,
* Belzona® 4131 (Magma Screed) ,
* Belzona® 3921 (GSC Conditioner) ,
* Belzona® 3131 (WG Membrane) ,

Problem

Over the years the lower sections of this tank had suffered extreme corrosion, resulting in several through wall defects. In addition, the bit-sand bed had failed, increasing the likely hood of under base corrosion. The client wanted the tank brought back into service, but internal access was not possible and so all repairs had to be done externally.



Photograph Descriptions

- * 1. Original Damage ,
- * 2. Plate Design ,
- * 3. Plates Bonded with Belzona 1121 ,
- * 4. Finished Tank Base Seal application ,

Application Situation

Carbon Steel Demin Degasser Tank.

Application Method

Plate bonding was carried out in accordance with Belzona Know-How System Leaflet TCC-01. Tank Base Seal was installed in line with Belzona Know-How System Leaflet GSS-03.

Belzona Facts

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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Repair • Protect • Improve

As with many chemical sites, hot work must be avoided whenever possible, and so these Belzona solutions were ideal. Belzona plate bonding avoids the need for welding and its associated hazards. The Belzona Tank Base Seal is also cold applied, flexible and offers decades of protection from under base corrosion.

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