BELZONA PLATE BONDING SOLUTION FOR SLUDGE TANK

ID: 4808

Industry: Water / Wastewater Customer Location: Sewage treatment works, UK

Application: TCC-Tanks and Chemical Containment Application Date: November 2013

Areas

Substrate: Glass coated steel

Products: * Belzona® 1161(Super UW-Metal),

* Belzona® 5831(ST-Barrier),

Problem

Tank was suffering from a through wall corrosion at the lowest panel level. The tank could not be taken off line due to demand and any repairs would have to be carried out without hot works or the use mechanical equipment due to the risk of sparks.









Photograph Descriptions

* 1. Through wall corrosion to primary sludge tank 2. Surface preparation carried out by hand abrasion 3. Repair plate cold bonded over the through wall corrosion using Belzona® 1161 4. Completed application ,

Application Situation

Primary sludge tank fabricated from GFS (Glass Fused to Steel).

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-3. A repair plate was cold plate bonded over the through wall defect using Belzona® 1161 before Belzona® 5831 was applied to the entire repair area.

Belzona Facts

The client required a fast solution as it was leaking effluent. Traditional repair methods required the tank off line for a minimum of a week. The Belzona solution was carried out live to keep the site running with minimal disruption and carried out without hot works

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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the use mechanical equipment in just one day. No other alternative was deemed to provide a viable solution to the client's quirements due to time scale and the risk of sparks.
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