

BELZONA PLATE BONDING SOLUTION FOR SLUDGE TANK

ID: 4808

Industry: Water / Wastewater
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Glass coated steel
Products: * Belzona® 1161(Super UW-Metal) ,
* Belzona® 5831(ST-Barrier) ,

Customer Location: Sewage treatment works, UK
Application Date: November 2013

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
FS 695214
ISO 14001:2015
EMS 695213

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

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