

BELZONA PLATE BONDING SOLUTION FOR SLUDGE TANK

CUSTOMER

Sewage treatment works, UK

APPLICATION DATE

November 2013

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona 1161 (Super UW-Metal)

Belzona 5831 (ST-Barrier)

SUBSTRATE

Glass coated 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 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.

PICTURES

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



1.



2.



3.



4.

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



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