

## BELZONA COLD PLATE BONDING SOLUTION FOR SLUDGE TANK

### CUSTOMER

Sewage treatment works - UK

### APPLICATION DATE

19/11/2013

### APPLICATION SITUATION

Through wall corrosion on sludge tank fabricated from glass coated mild steel.

### PROBLEM

The primary sludge tank was suffering from 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 mild steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-3. After cleaning the area surface preparation by hand abrasion was carried out. A repair plate was cold bonded over the through wall defect using Belzona 1161 finally Belzona 5831 was applied to the entire repair area.

### BELZONA FACTS

The client had found this leak in the lowest row of panels on the primary sludge tank and 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 was carried out without hot works or the use of mechanical equipment in just one day. No other alternative were 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 with plate cold bonded over the through wall corrosion using Belzona 1161
4. Completed application



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



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