

# Plate bonding on sludge tanks fixes external corrosion issue

ID: 9818

Industry: Water / Wastewater  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Stainless-steel  
Products: Belzona 1111 (Super Metal)

Customer Location: Leamonroyd  
Application Date: April 2025

## Problem

Sludge tanks for treatment works required several repairs for external corrosion on glass steel infused tank



Inspection of sludge tanks to assess repair needs



Several areas of external corrosion/damage were identified



Carbon fibre plates were bonded using Belzona 1111



The solution ensures that no further corrosion can spread and weaken integrity of tank

## Application Situation

To drain the tank would have cost thousands. Under no circumstances were any hot works allowed, making Belzona the ideal solution

## Application Method

The surface of the tank was prepared with hand tools to minimum surface preparation. Using carbon fibre plates, the plates were bonded using Belzona 1111 to seal and ensure no further ingress of corrosion would affect the tank

## Belzona Facts

This solution saved thousands as the tank did not need to be drained to complete repair. No hot works were required which minimised health and safety risks

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FS 695214  
ISO 14001:2015  
EMS 695213

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