

Refurbishment of Energy From Waste Process Plant

ID: 9634

Industry: Commercial Facilities
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 1593

Customer Location: St Austell, Cornwall
Application Date: November 2023

Problem

Customer was suffering severe internal corrosion within their process plants pillenium & re-circulation channels. This was due to high concentrations of Calcium Oxide (37%) and Chlorine (26%) operating at temperatures of 140 Deg. C.



Internal through hole defect.



Holed & corroded section of internal system.



Plate bonding and coating of localised defects.

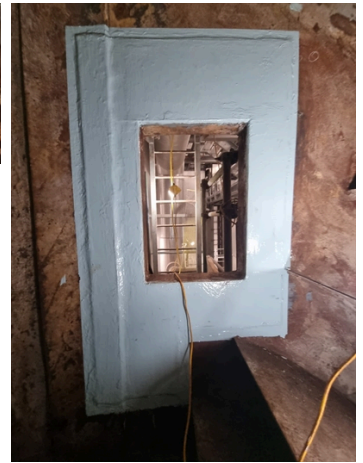


Plate bonding and coating of localised defect.

Application Situation

The customer chose a Belzona solution as replacement cost and actual downtime was very expensive.

The Belzona solution offered a cost effective solution whilst also offering longer life expectancy of the equipment.

Application Method

The preparation was carried out by grit blasting to Belzona's IFU Specification sheets for the products.

Where required, plates were bonded into place on through hole defects where required using a Belzona paste grade. Belzona 1593 was then applied to the repaired areas.

Belzona Facts

The Belzona repair solution/method was chosen by the customer due:

- 1) Fast turnaround offering faster return to service.
- 2) Cost was significantly less than total replacement.
- 3) Reduced lost production time and costs.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA[®]
Repair • Protect • Improve