

# BELZONA REPAIRS AND PROTECTS SULPHURIC ACID BUND

ID: 963

**Industry:** Power  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Concrete  
**Products:** \* Belzona® 4311 (Magma CR1) ,  
\* Belzona® 4111 (Magma Quartz) ,

**Customer Location:** Power Station, UK  
**Application Date:** December 2007

## Problem

Malfunction in the system caused a quantity of 98% Acid to be dropped, followed by a quantity of distilled water. The resultant exothermic reaction was so rapid it stripped the original coating off the concrete substrate throughout the containment area.



## Photograph Descriptions

- \* Damaged tank pad ,
- \* Rebuilding with Belzona® 4111 ,
- \* Rebuilding complete ,
- \* Tank pad protected with Belzona® 4311 ,

## Application Situation

Secondary containment for two acid tanks in the water treatment section. The top tank contains 98% Sulphuric Acid that feeds into a lower tank diluted to 10% strength, and used in the water treatment process.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-9 and TCC-15.

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.

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## Belzona Facts

No alternative considered since the manager of the plant is very happy with both the Belzona materials and the application by the approved contractor. Belzona coating provides long term protection from 98% Sulphuric acid.

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