

# BELZONA UPGRADES ACID BUND

ID: 6183

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

**Customer Location:** Power Station, Queensland, Australia  
**Application Date:** June 2008

## Problem

Spills of sulphuric acid over many years had significantly damaged the containment capabilities of the bund leaving it questionable about whether it could contain a major spill.



## Photograph Descriptions

\* 1. The badly damaged bund area 2. The bund re-profiled using Belzona 4111 3. The first coat of Belzona 4311 applied 4. The completed application ,

## Application Situation

Damaged Sulphuric acid bund at power station

## Application Method

Application was carried out in accordance with Belzona System Leaflets TCC-9 and TCC-15. After removing damaged sections of old coating, the underlying concrete was neutralised using HP water and bicarbonate of soda. After drying damaged areas of concrete were rebuilt with belzona 4111 before coating overall with Belzona 4311 system.

## Belzona Facts

Being a Power Station that operates 24/7, there is limited time to carry out any significant repairs. The Belzona materials were

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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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chosen for their high performance and fast curing properties that kept downtime to a minimum whilst ensuring that the bund would remain effective for many years to come.

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