

# BELZONA CALLED TO FIX FAILED COATING

ID: 1143

Industry: Power

Customer Location: Chemical Plant, North Alabama U.S.A.

Application: TCC-Tanks and Chemical Containment Areas

Application Date: July 2007

Substrate: Reinforced Concrete

Products: <div>Belzona® 4111 (Magma Quartz)</div><div>Belzona® 4141 (Magma Build)</div><div>Belzona® 4301 (Magma CR1 Hi-Build)</div>

## Problem

The leak turned out to be a hole measuring 36" x 48" and cut completely through the 8" thick wall. Rebar had to be tied back in and the wall needed to be rebuilt to specification. The plant was still in operation, so the acids were diverted to holding tanks and taken off site for processing...an expensive and tedious process.



## Photograph Descriptions

\* The size and scope of a small Leak , \* The failed coating , \* External view after preparation , \* Finishing touches ,

## Application Situation

Small leak in the wall of an acid pit. The leak was below ground and the pit walls had to be excavated, shored up, scaffolding, extreme safety measures involving several contractors...all due to a competitors coating failure.

## Application Method

This application was carried out in accordance with Belzona System Leaflets TCC-9 & -15

The repair required a form built on the outside so Belzona® 4111 & 4141 could be packed into the hole. Several smaller holes were discovered inside and out. Each repair was then covered with 2 coats of Belzona® 4301.

## Belzona Facts

The costs associated with this small leak were in the upper 10s of thousands of dollars. This turned out to be 1 of several repairs needed due to competitive product failures.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

[www.belzona.com](http://www.belzona.com)

