

# BELZONA SOLVES ACID ATTACK

ID: 636

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

**Customer Location:** Chemical Plant, Cheshire UK  
**Application Date:** March 2003

## Problem

Hydrochloric acid was seeping into a nearby water course. The problem was tracked down to a sump where hydrochloric acid had eaten through the concrete.



## Photograph Descriptions

- \* The extent of the problem ,
- \* Belzona fills the hole ,
- \* Sump rebuilt ,
- \* Finished application ,

## Application Situation

Sump in chemical plant

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-15.

## Belzona Facts

After the original insert box was removed the large hole that had been made by the acid eating through the concrete, leaving only remnants of the reinforcing bar was discovered. With the use of heaters, the hole was repaired and sump protected with Belzona within the allowed three-day time frame. Still performing as expected – problem totally solved.

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

**BELZONA**  
Repair • Protect • Improve