

# BELZONA PROTECTS AGAINST ACID ATTACK

ID: 637

**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas

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

**Substrate:** Concrete

**Products:** \* Belzona 4311 (Magma CR1) ,  
\* Belzona 4111 (Magma Quartz) ,

## Problem

Hydrochloric acid was seeping into a nearby water course. The problem was tracked down to a sump which had a hole in it, hydrochloric acid was leaking through and eating through the underlying concrete.



## Photograph Descriptions

\* 1. The extent of the problem  
\* 2. Belzona 4111 fills the hole  
\* 3. Sump rebuilt using Belzona 4111  
\* 4. Coated with Belzona 4311 to protect from acid attack ,

## Application Situation

Acid waste sump

## Application Method

Application was carried out in accordance with Belzona System Leaflet TCC-9. Damaged concrete was rebuilt and levelled with Belzona 4111 before coating with Belzona 4311.

## Belzona Facts

Belzona was initially chosen because it was a long term solution that could be applied during the available 3 day factory shut down. The client was delighted with Belzona going the extra mile to complete the unscheduled works within the allowed time frame. The sump is still performing as expected preventing any further seeping into the water course.

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