

# BELZONA RECLAIMS AND PROTECTS SULFURIC ACID BUND

ID: 1166

**Industry:** General Industry  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Concrete  
**Products:** <div>Belzona 4111 (Magma Quartz)</div>  
<div>Belzona 4131 (Magma Screed)</div>  
<div>Belzona 4311 (Magma CR-1)</div>

**Customer Location:** Sulfuric Acid Refinery, Wyoming U.S.A.  
**Application Date:** September 2008

## Problem

Previous product used gave limited results. Extensive rebuilding of the concrete was needed to allow the containment area to drain to the center sump. This to be followed by an overall protective coating.



## Photograph Descriptions

- \* Overview of the acid containment area ,
- \* View of the damaged concrete ,
- \* View of area rebuilt and resurfaced ,
- \* Completed job after coating with Belzona 4311 ,

## Application Situation

850 sq.ft. secondary containment area for 98% Sulfuric acid.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-9 & 15. Concrete was rebuilt to create falls to central sump. All area then protected with Belzona 4311.

## Belzona Facts

Replacement of the concrete containment area was not an option due to extensive downtime the company was not willing to allow. Belzona was nominated for its materials performance and prompt service from the technical Consultant. Lab tests showed Belzona

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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4311 OK after 2 weeks in acid whereas earlier used product did not survive 48 hours.

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