

# BELZONA PROTECTS LARGE COLLECTION TANK

ID: 1614

**Industry:** Buildings & Structures  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Steel, Concrete  
**Products:** \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 5811 (Immersion Grade) ,  
\* Belzona® 4111 (Magma-Quartz) ,  
\* Belzona® 2211 (MP Hi-Build Elastomer) ,

**Customer Location:** Chemical park, Germany  
**Application Date:** December 2010

## Problem

Breakdown of the original coating had allowed corrosion pitting to occur. some leaks were occurring on the walls, particularly where wall meets the concrete tank floor.



## Photograph Descriptions

- \* Pitting corrosion on tank walls ,
- \* Rebuild and reinforced area with Belzona® 1111 ,
- \* Spray-applied second layer of Belzona® 5811 ,
- \* Completed application ,

## Application Situation

Underground collection tank for waste surface water

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-1, TCC-5 & TCC-9. After surface preparation, Belzona® 1111 was used to bond reinforcement steel sheets to areas affected by pitting corrosion. Belzona® 4111 was used to

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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repair damaged areas on the concrete tank base. The entire collection tank was coated with Belzona® 5811 applying two coats by airless spray. Lastly, an elastomeric fillet was created by applying Belzona® 2211 where steel walls joined onto the concrete base.

## Belzona Facts

Three years earlier, a test coating had been done with Belzona® 5811. The test coating's good performance secured the order for the huge tank with a coated area of 1398 m2.

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