

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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