

Oxygenation Tank Rebuilt and Protected for Years to Come

ID: 7642

Industry: Water / Wastewater
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Concrete
Products: * Belzona 4124 (Bulkfill) ,
* Belzona 5811 (Immersion Grade) ,
* Belzona 1812 (Ceramic Carbide FP) ,
* Belzona 9811 (Alumina Tiles) ,

Customer Location: Florida, USA
Application Date: March 2017

Problem

The tank had not had protection for years, and as a result the concrete walls and floors were in a bad shape. Some sections showed erosion as deep as 3'. Large mixer blades had caused a severe erosion the tanks' structure. The time was of the essence because of the rainy season.



Photograph Descriptions

- * Damaged Concrete. ,
- * Concrete rebuilt with Belzona 4124. ,
- * Concrete coated with Belzona 5811. ,
- * Belzona Alumina Tiles System installed: Belzona 5811 as a base coat, Belzona 9811 and Belzona 1812 (as a grouting compound). ,

Application Situation

Oxygenation tank at a wastewater plant. Customer required protection of this tank for years to come. Time was of the essence because rainy season was very close.

Application Method

The application was carried out in accordance with modified versions of Belzona Know-How System Leaflets TCC-9 and TCC-15. First, the damaged concrete areas were rebuilt with Belzona 4124. Once the surfaces were restored, they were coated with 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

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5811. Then, Belzona 9811 alumina tiles sheets were placed on top of Belzona 5811, and grouted with Belzona 1812.

Belzona Facts

The Customer was familiar with Belzona products and know-how procedures. This time they needed a durable system that would serve them for years to come.

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