

# Oxygenation Tank Rebuilt and Protected for Years to Come

ID: 7642

Industry: *Water / Wastewater*  
Application: *TCC-Tanks and Chemical Containment Areas*

Customer Location: *Florida, USA*

Application Date: *March 2017*

Substrate: *Concrete*

Products: *\* Belzona 4124 (Bulkfill) ,  
\* Belzona 5811 (Immersion Grade) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,  
\* Belzona 9811 (Alumina Tiles) ,*

## 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

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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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