

## BELZONA REBUILDS AND PROTECTS A CLARIFIER

### CUSTOMER

France

### APPLICATION DATE

November 2018

### APPLICATION SITUATION

Concrete roller track, metallic turbines and floats of a clarifier.

### PROBLEM

The concrete roller track of this clarifier became damaged during operation and needed to be rebuilt. The floats and turbines had begun to corrode, so required protection from further deterioration.

### PRODUCTS

Belzona 4111 (Magma-Quartz)

Belzona 5811 (Immersion Grade)

Belzona 5111 (Ceramic Cladding)

### SUBSTRATE

Concrete and Mild Steel

### APPLICATION METHOD

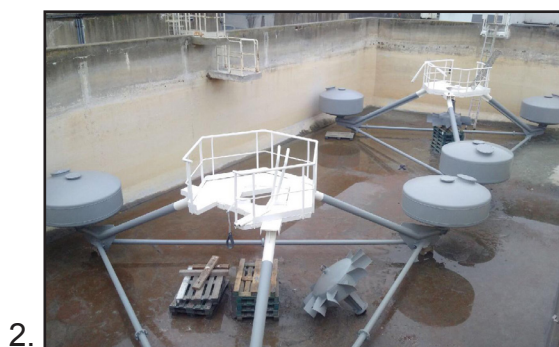
The broken parts of concrete on the roller track were taken away and the surface of both the track and the clarifier trough were prepared by scarification. Metal components were prepared by grit blasting. After the surface preparation, the concrete was rebuilt using Belzona 4111 with a trowel and a former when needed, in accordance with a modified version of Belzona Know-How System Leaflet TCC-09. The trough next to the roller track was protected with Belzona 5111. The floats and turbines were protected with Belzona 5811.

### BELZONA FACTS

The customer already contacted the distributor a few months ago to repair a roller track on another clarifier with Belzona 4111. 4 months later he realised that the repair was doing great and called the distributor for this much larger application.

### PICTURES

1. Concrete repair on the roller track with Belzona 4111 and a former.
2. Protection of the tripods, turbines and floats with Belzona 5811.
3. Final application.
4. Close up view of final application.



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ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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