

# Belzona Repairs and Protects a Concrete Clarifier

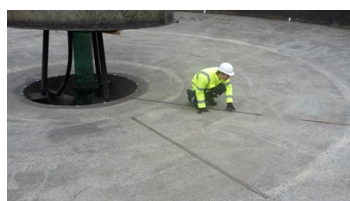
ID: 8017

Industry: Water / Wastewater  
 Application: FPA-Floor Problem Areas  
 Substrate: Concrete  
 Products: Belzona 4911 (TX Conditioner),  
 Belzona 4131 (Magma-Screed),

Customer Location: Scotland  
 Application Date: April 2018

## Problem

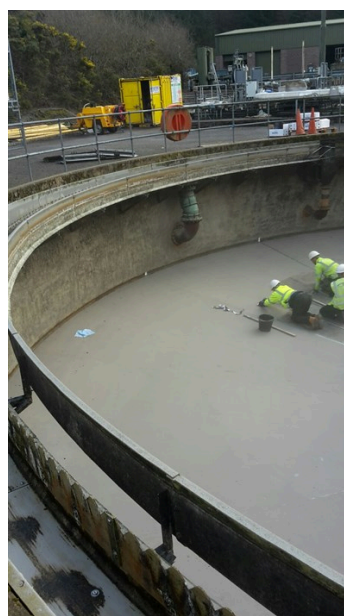
Replacing the concrete with more concrete would not solve the base issue. Shutdown time was also an issue on the repair. An abrasion-resistant system was required to put the clarifier back to service fast.



Placing screed rails



Belzona 4131 application by float



Application underway



The tank drained one year on

## Application Situation

A concrete clarifier was suffering from erosion and chemical attack. The loose aggregate from the concrete was getting into the system pumps and the rough floor surface was causing wear issues on the rubber scrapers.

## Application Method

The application was carried out in accordance with a modified version of Belzona KNow-How System Leaflet FPA-1. The concrete was first power washed and prepared mechanically. The clarifier was marked out into sections. Each section was then conditioned with Belzona 4911 and then 6mm of Belzona 4131 applied.

## Belzona Facts

The project was completed in 8 days. A concrete pour would have taken at least 28 days to cure after the initial application. It would also suffer from similar chemical and abrasive attack. The Belzona system provided a fast turnaround system with superior

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

Belzona products are  
 manufactured under an ISO  
 9000 Registered Quality  
 Management System.

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 Repair • Protect • Improve

mechanical strength and chemical resistance the original concrete. The tank was drained for a shutdown in May 2019 & found to be in a perfect condition.

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