

# Belzona Repairs 82 Expansion Joints on a Primary Settlement Tank

ID: 7529

Industry: Water / Wastewater  
Application: FPA-Floor Problem Areas  
Substrate: Concrete  
Products: \* &bull; Belzona 4111 (Magma-Quartz) ,  
\* &bull; Belzona 2211 (MP Hi-Build Elastomer) ,

Customer Location: Bedford, UK  
Application Date: August 2017

## Problem

Existing expansion joints had failed. The customer then tried to use a cementitious material to repair them but this also cracked and failed.



## Photograph Descriptions

- \* 1. The settlement tank. ,
- \* 2. A damaged expansion joint. ,
- \* 3. Nosings rebuilt using a former. ,
- \* 4. Completed expansion joint. ,

## Application Situation

The customer's Primary Settlement Tank was unable to operate efficiently and the tank's arm was struggling to rotate, which could have caused further damage to the equipment.

## Application Method

The nosings of the joints were rebuilt using Belzona 4111 and Belzona 2211 used as the expansion joint material. The application

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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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was carried out in accordance with Belzona System Leaflets FPA-5 and FPA-7.

## Belzona Facts

The primary settlement tanks' original concrete design failed within four years due to water ingress. Belzona materials are resistant to this type of damage and so will last for many more years to come. This was one of the clients only options to keep the equipment in operation.

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