

# FLEXIBLE BELZONA BUND LINING

ID: 6102

Industry: TCC-Tanks and Chemical Containment Areas  
Application: TCC-Tanks and Chemical Containment Areas

Customer Location: Hospital, Teesside, UK  
Application Date: 2016

Substrate: Membrane and Concrete  
Products: \* Belzona 4131 (Magma-Screed) ,  
\* Belzona 3921 (GSC Conditioner) ,  
\* Belzona 4361 ,  
\* Belzona 9221 (Surefoot Aggregate White) ,

## Problem

This RO Water Bund had been protected with flexible membrane sheets only 5 years previously. These thick sheets had been ineffective due to the footings and frames in this bund. Reverse Osmosis is a highly deionised form of water that is very reactive to concrete. The membrane had disbonded in several areas with one of the blisters being over 1m wide. The areas beneath this bund were highly sensitive rooms and so the client wanted to avoid disruptive preparation techniques such as grinding. Adhesion trials were performed to prove the adhesion of the Belzona system.



## Photograph Descriptions

- \* RO Water bund before work started ,
- \* Existing membrane sheet close up ,
- \* Grip incorporated in the top coat ,
- \* Bund completed in Belzona 4361 ,

## Application Situation

Series of bunds in plant room for RO (Reverse Osmosis) water.

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet TCC-15. Blistered membrane was cut away to a firm edge and Belzona 4131 was used to repair the concrete and relevel the areas. Following manual abrasion, the membrane was conditioned with Belzona 3921. Two coats of Belzona 4361 were applied with Belzona 9221 scattered in the topcoat to provide grip.

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

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

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## Belzona Facts

Belzona 4361 is a flexible solvent free coating that offers excellent resistance to a wide range of chemicals. The client was delighted with the work and lack of disruption, and a further 3 bunds were completed soon afterwards.

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