

FLEXIBLE BELZONA BUND LINING

ID: 6102



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.

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.

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.

INDUSTRY

LOCATION

Hospital, Teesside, UK

APPLICATION DATE

2016

PRODUCTS

Belzona 4131 (Magma-Screed)
Belzona 3921 (GSC Conditioner)
Belzona 4361
Belzona 9221 (Surefoot Aggregate White)

SUBSTRATE

Membrane and Concrete

PHOTOS

1. RO Water bund before work started
2. Existing membrane sheet close up
3. Grip incorporated in the top coat
4. Bund completed in Belzona 4361

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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