BELZONA REPAIRS AND PROTECTS WATER TREATMENT PLANT

ID: 916


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PROBLEM
The concrete bunds and channel were badly deterioted from the acid. Previously applied competitor coating had failed to protect the concrete substrate.

APPLICATION SITUATION
Sulphuric acid containment bund around tank and pipeworkAcid dilution bund.Sulphuric acid transfer channel. All located in the demineralisation (water-treatment)plant of the power station.

APPLICATION METHOD
The application was carried out in accordance with Belzona Know-How system leaflets TCC-9 and TCC-15.

BELZONA FACTS
The customer was impressed that this permanent repair was completed in five days. The first application was recently inspected after eight months because of an acid spillage during maintenance and the Belzona was still as good as the day it was first applied. Belzona® 4311 was chosen because the bund is frequently exposed to spillage and has proven to withstand the chemicals. Belzona® 4181 allowed rebuilding and protection of the channels whilst providing erosion resistance to the flow of acid.

INDUSTRY
Power

LOCATION
Nuclear Power Plant, Lancashire – UK

APPLICATION DATE
March 2007

PRODUCTS
Belzona 4131 (Magma Screed)
Belzona 4181 (Magma AR Screed)
Belzona 4311 (Magma CR-1)

SUBSTRATE
Concrete and a failed competitor coating

PHOTOS
1. Substrate rebuilt using Belzona 4131
2. Protection provided by Belzona 4311 coating
3. Channels rebuilt and lined with Belzona 4181
4. Completed application back in service