

BELZONA RECTIFIES LEAKAGE PROBLEM IN A BIOREACTOR CLARIFIER

ID: 131



PROBLEM

Bottom of the tank had to be made waterproof and an expansion joint incorporated where the concrete floor meets the steel tank wall.

APPLICATION SITUATION

Steel bioreactor clarifier tank 100' diameter (31m) with a concrete bottom, split into six segments

APPLICATION METHOD

Application carried out in accordance with Belzona® Know-How Leaflets TCC-9, TCC-11, TCC-12 and TCC-15

BELZONA FACTS

Replacement of the tank was too expensive even to consider. Other options that were considered included using a glass flake system to coat the tank and welding a steel bottom onto the walls of the tank. The cost of this method would have been about £370,000. The Belzona® solution cost only £80,000, a saving of almost £300,000, and took a fraction of the time estimated for the welded repair.

INDUSTRY

Chemical & Petrochemical

LOCATION

Petrol Refinery in Thailand

APPLICATION DATE

January and February, 1996

PRODUCTS

Belzona 5811 (Immersion Grade)
Belzona 4111 (Magma-Quartz)
Belzona 2221 (MP Fluid Elastomer)

SUBSTRATE

Concrete and Steel

PHOTOS

1. Concrete being repaired with Belzona 4111
2. First coat of Belzona 5811 being applied
3. Expansion joints masked off and pouring of Belzona 2221 commenced

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