

Belzona repairs waste water clarifier base

ID: 9400

Industry: Water / Wastewater

Customer Location: Glasgow, Scotland

Application: FPA-Floor Problem Areas

Application Date: May 2023

Substrate: Concrete

Products: Belzona 4131 (Magma-Screed), Belzona 4911 (Magma TX Conditioner)

Problem

A waste water concrete clarifier had a worn uneven surface after years of harsh service. This meant the clarifier could not operate properly & waste sludge was collecting on the bottom of the tank.



Worn surface



Application in progress



Completed section



Finished application

Application Situation

The problem with this clarifier was so severe that it had been taken out of service. By utilising the Belzona solution this clarifier could be repaired without cutting out large sections. The durability of the Belzona product means the tank can be repaired & protected for decades of future use.

Application Method

The area was washed & abraded to get back to sound concrete. Any deep areas were filled with Belzona 4131 before the larger screeding application. 6mm of Belzona 4131 was then applied over the full base of the clarifier. Metal screed rails were used to control the thickness & maintain a constant level.

Belzona Facts

By using this solution the clarifier was back in action with minimal disruption to the surrounding plant. An additional clarifier application on this site is due to commence 2024.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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