

# Floor Coating and Protection in Chemical Tank Farm with Belzona 4311

ID: 9967

Industry: Chemical & Petrochemical

Customer Location: OINOFYTA GREECE

Application: FPA-Floor Problem Areas

Application Date: July 2025

Substrate: Concrete

Products: Belzona 4311 (Magma CR1), Belzona 4911 (Magma TX Conditioner)

## Problem

The tank farm floor, exposed to sodium hypochlorite (bleach), had suffered severe chemical attack. The old coating had lifted and peeled away, leaving bare, porous concrete that absorbed spills, was hard to clean, and offered no protection against further damage.



Failed previous coating



Surface preparation



Application of Belzona 4311



Application Completed

## Application Situation

The client had previously experienced repeated failures with traditional floor coatings, leading to dissatisfaction and ongoing maintenance costs. By choosing Belzona 4311, the tank farm floor received long-term chemical protection, eliminating the need for frequent replacements. This approach avoided the high cost and extended downtime of full concrete replacement. The quick application allowed the facility to return to service rapidly, while the durable coating significantly reduced future maintenance and repair needs.

## Application Method

The application was carried out in accordance with FPA - 3

## Belzona Facts

The client achieved cost savings because Belzona provided long-term protection, preventing the need for frequent replacements after previous coatings had failed. The solution was faster and cheaper than full floor replacement, offering durable chemical resistance and allowing the tank farm to return to service with minimal downtime.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve