

# BELZONA GIVES SECOND LIFE TO POLYMER CONCRETE TANK

ID: 1097

Industry: Power

Customer Location: Power Plant, Russia

Application: TCC-Tanks and Chemical Containment Areas

Application Date: August, 2004

Substrate: Polymer concrete

Products: <div>Belzona® 4111 (Magma Quartz)</div><div>Belzona® 4341 (Magma CR4)</div>

## Problem

Incorrect maintenance caused cracks to develop in several tanks and leakages of acid onto the floor. Every tank costs more than 15000 USD. Two of the tanks lost their integrity as both had large parts of wall broken off and were ready to be condemned.



## Photograph Descriptions

\* Fatal damage to the tank , \* Another tank is destroyed , \* Belzona® 4111 after application , \* Belzona® 4341 after application ,

## Application Situation

Polymer concrete tanks reinforced with fiberglass containing 22% sulfuric acid at 60°C in water treatment shop.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-7 & -9.

## Belzona Facts

On the completion of the repairs the tank was tested under load and did not show any traces of leakage. After 3 year operation tank is in excellent condition. Total job took two weeks and customers spent 6000 USD on it.

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

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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