

BELZONA FOR A CONCRETE COOLING TOWER BASIN

ID: 15

Industry: Power

Customer Location: Nuclear Power Plant in the Northeast,
U.S.A.

Application: TCC-Tanks and Chemical Containment
Areas

Application Date: February 1997

Substrate: Concrete.

Products: * Belzona® 4911 (Magma TX Conditioner) ,
* Belzona® 4141 (Magma Build) ,
* Belzona® 4311 (Magma CR1) ,

Problem

Sulfuric acid is injected into the cooling water to stop M.I.C. (microbiological induced corrosion). This severely damaged the concrete due to chemical attack and erosion three to four inches deep.



Photograph Descriptions

- * The damaged area. ,
- * Close-up view of severe erosion, the application of product ready to commence. ,
- * The completed repair, cooling tower basin in operation. ,

Application Situation

A concrete the cooling tower basin

Application Method

Application was carried out in accordance with Belzona Know-How Leaflet TCC-9.

Belzona Facts

Although unplanned, the work was completed within the plant outage. The customer was impressed that this permanent repair was completed within a short time frame and during adverse cold weather.

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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