

# BELZONA REPAIR TO CONCRETE STOCK CHEST

ID: 1146

Industry: Pulp & Paper

Customer Location: Containerboard Paper Mill, North Alabama, U.S.A.

Application: TCC-Tanks and Chemical Containment Areas

Application Date: February 2007

Substrate: Reinforced Concrete & Blocks

Products: <div>Belzona® 4111 (Magma Quartz)</div><div>Belzona® 4141 (Magma Build)</div>

## Problem

The top not only lifted, it blew chunks out of the sides all the way around. Job was to fill in the the voids created by the stock and to seal the edges against further leaking.



## Photograph Descriptions

\* View of the Damage from below , \* Area being prepared and void packed , \* Work underway , \* Finished application ,

## Application Situation

Concrete block tank holding stock being fed to the #1 Paper Machine. It has a pressure release valve to allow blow-by in case of emergencies and it failed. The pressure grew to the point that the solid, reinforced concrete lid lifted and stock blew out the sides.

## Application Method

This application was carried out in accordance with Belzona Know-How System Leaflet TCC-9 and WPA-4. The area was grit blasted to remove stock and prepare the concrete. Deeper areas were filled with Belzona® 4141 and Belzona® 4111 was used over the entire outer surface to ensure containment.

## Belzona Facts

The decision to use Belzona Products was based on past use and performance. Concrete for repair was considered but discounted. The application is still performing to their expectations.

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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