

# Secondary Containment Coating using Belzona 4311

ID: 10145

**Industry:** Steel & Metal Processing  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Concrete  
**Products:** Belzona 4111 (Magma-Quartz), Belzona 4311 (Magma CR1), Belzona 4911 (Magma TX Conditioner)

**Customer Location:** Muscle Shoals, AL  
**Application Date:** February 2024

## Problem

The client was facing major deterioration of their concrete due to the chemicals in the process and the coating not properly maintained over the years. This allowed for the chemicals and liquids to penetrate under the coating causing it to delaminate.



You can see in this photo how the chemicals had broken down the other coating overtime.



A close up view of the old coating and how it is delaminating.



This photo shows you how we cleaned and removed the old coating and prepped the surface area to be coated.



Final photo shows the completed project using Belzona 4111 and Belzona 4311.

## Application Situation

The client was able to save approximately \$75,000 with the application we provided. They were given a proposal to remove and re-pour with new concrete which would have taken 2-3 weeks then cure time to allow for the concrete before coating. We were able to complete this project in just 4 days.

## Application Method

We used normal procedures provided by Belzona for the application process. Floor grinders and needle guns were used to remove delaminated concrete.

## Belzona Facts

Cost savings for this project with \$75k or more plus the downtime. The client chose Belzona due to past applications and trusting in the product and our team. We completed the project in just four days.

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

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