

# Belzona Cuts Down a Concrete Shimming Application Time from 45 to 7 days

ID: 7741

Industry: Pulp & Paper

Customer Location: Paper Mill, Brazil

Application:

Application Date: August 2017

Substrate: Concrete

Products: \* Belzona 4111 (Magma-Quartz) ,  
\* Belzona 4151 (Magma-Quartz Resin) ,

## Problem

*Due to constant movement and vibration created between the skid and the concrete foundation, the heads of the bolts holding the base down started to break off.*



## Photograph Descriptions

- \* View of the Crane ,
- \* Concrete foundation before ,
- \* Application in progress including new anchor holes being drilled ,
- \* Completed application ,

## Application Situation

A crane's base was seeing the heads of the bolts holding it down beginning to break off.

## Application Method

First, 48 new holes were drilled to install newly fabricated bolts. Then the skid was positioned over the concrete base, secured and aligned with 4 metal bars in 4 points around the perimeter of the skid, and positioned on top of the concrete base. Belzona 4111 and Belzona 4151 were then mixed and injected into each of the holes. Anchor bolts were inserted, and excess of product was used to fill the annular space under the equipment.

## Belzona Facts

A traditional approach to problems like this one would require at least 45 days to demolish the base of the crane and reconstruct it again. Whereas the Belzona solution came at half the cost of the traditional method and promised to return the crane back to

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
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service in 7 days. The customer was very impressed with the application and one year later reported that the bases were in perfect condition.

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