BELZONA CUTS DOWN A CONCRETE SHIMMING APPLICATION TIME FROM 45 TO 7 DAYS

ID: 7741


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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.

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 service in 7 days. The customer was very impressed with the application and one year later reported that the bases were in perfect condition.

INDUSTRY
Pulp & Paper

LOCATION
Paper Mill, Brazil

APPLICATION DATE
August 2017

PRODUCTS
Belzona 4111 (Magma-Quartz)
Belzona 4151 (Magma-Quartz Resin)

SUBSTRATE
Concrete

PHOTOS
View of the Crane

Concrete foundation before

Application in progress including new anchor holes being drilled

Completed application