

# Belzona prevents wear on an ash slurry mixer

ID: 8555

Industry: Power  
Application: SHM-Solids Handling Machinery

Customer Location: Washington  
Application Date: February 2021

Substrate: Steel  
Products: \* Belzona 1331 ,  
\* Belzona 1813 ,

## Problem

The paddles on their ash slurry mixer would wear down to less than half of their original length in 3 months forcing them to be replaced. The original paddles were made from hardox steel. The mixer box and shafts had some mild wear and corrosion as well.



## Photograph Descriptions

- \* 1. Original condition ,
- \* 2. Box coated with Belzona 1331 ,
- \* 3. Shafts coated with Belzona 1331 ,
- \* 4. Paddles being coated with Belzona 1813 ,

## Application Situation

Cogen powerplant ash slurry mixer

## Application Method

The mixer box and shafts were grit blasted and the Belzona 1331 was applied in two layers by hand. The new mixer paddles were hand ground and the Belzona 1813 was applied by hand.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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## Belzona Facts

The original method of replacing the paddles was causing thousands of dollars in new blades, man hours, and shutdowns every three months. By using this Belzona solution, the mixing box and paddles have been in operation for over six months with absolutely no sign of any wear. In six months, the cost of the Belzona solution has already been more than paid for.

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